1982 Census of Transportation

TC82-T-23

TRUCK INVENTORY AND USE SURVEY

Michigan

U.S. Department of Commerce
BUREAU OF THE CENSUS

The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

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Issued February 1985

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS
John G. Keane,
Director

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INTRODUCTION

ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications[1] (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are

[1] **Standard Industrial Classification Manual: 1972.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. **1977 Supplement.** Stock No. 003-005-00176-0.

available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

CENSUS OF TRANSPORTATION

The 1982 Census of Transportation consists of three surveys:

1. Truck Inventory and Use (TIUS)
2. Selected Statistics for Transportation Industries[2]
3. Commodity Transportation[3]

These surveys were previously taken in 1967, 1972, and 1977.

TRUCK INVENTORY AND USE SURVEY

The Truck Inventory and Use Survey provides data on the physical and operational characteristics of the Nation's truck population. It is based on a probability sample of private and commercial trucks registered (or licensed) in the State during 1982.

Vehicles owned by Federal, State, and local governments, as well as ambulances, buses, and motor homes, were eliminated from the sample before questionnaires were mailed. Various other vehicles which were actually surveyed were subsequently classified as "out-of-scope": Trucks sold prior to 1982, farm tractors, unpowered trailer units, trucks reported to have been junked or wrecked prior to the registration year, etc.

Many States allow pickups and small vans and utility-type vehicles to be registered as cars or trucks; therefore, the passenger car files were searched and any such trucks were included in the sample universe. Some privately or commercially owned vehicles do not have to be licensed, such as "off-highway" trucks used exclusively on private property, and since they had no chance of being drawn in the sample, they are not covered in the survey.

TOTAL TRUCK INVENTORY

The estimated number of trucks that were within the scope of the TIUS and registered in the State as of July 1, 1982, was 1174.4 thousand.

This estimate serves as the benchmark to which the survey results were adjusted to produce the more detailed estimates contained in this report. It was developed through a review of the characteristics of each vehicle registered in the State.

Prior to 1977, Truck Inventory and Use Surveys were benchmarked to Federal Highway Administration (FHWA) totals of private and commercial truck registrations as reported in Highway Statistics, table MV-1. These FHWA estimates are based on calendar year summary reports from the individual States that reflect differences in truck definitions used by the States for vehicle registration.

The FHWA estimate of the number of private and commercial trucks registered in the State as of December 31, 1982, was 1163.3 thousand.

COMPARABILITY WITH PREVIOUS SURVEYS

Although the basic purpose and scope of the previous Truck Inventory and Use Surveys were essentially identical to this one, some changes were introduced in 1982 that may affect all the data in this report or just specific items.

1982 changes affecting all the data[4]:

1. Stratification was based on body type rather than "small" vs. "large" trucks as in 1977. There were five strata: pickups; vans, panels and utilities; other single-unit trucks weighing less than 26,001 pounds; all other single-unit trucks; and truck tractors. See the section on sample design for an in-depth explanation of the stratification plan.
2. Two report forms were used: Form TC-9501 for pickups, panels, vans, and utility type vehicles if we could identify them specifically at the time of sampling. All other sampled vehicles received Form TC-9502. See appendix A for copies of the questionnaires. The difference in the two forms was that those questions which only pertained to heavy trucks were omitted from Form TC-9501.
3. Calculation of the standard errors was changed to display relative standard errors in percent rather than the standard error in actual numbers.

1982 changes affecting specific items:

1. **Length of load space or capacity**—Respondents were asked to report overall length of the vehicle instead of checking a box for load space or capacity.
2. **Axle arrangement of trailers**—The pictures of trailer configurations were eliminated to remove any bias which they may have caused in 1977. For 1982, only descriptions of common number of axles for each trailer type were used.
3. **What is the average weight of this vehicle as most often operated?**—Respondents were asked to report average weight rather than maximum gross vehicle weight. Large trucks also were asked to report empty weight and maximum weight at which the vehicle operated.

[2] The Selected Statistics for Transportation Industries Program will include some data formerly shown in the Nonregulated Motor Carriers and Public Warehousing Report.

[3] The Commodity Transportation Survey will cover the data year 1983.

[4] See report forms TC-9501 and TC-9502 reproduced in appendix A for specific information requested for each truck in sample.

4. **Classification of operator**—Because of the Motor Carrier Act of 1980, several changes were made to this item to allow for new types of for-hire operations. We added a category of "mixed" to both the not-for-hire and for-hire operations. In addition, respondents were asked to give the percent (%) of mileage when their operations were mixed or more than one type. The final operator classification was determined in the computer edit using the value corresponding to the highest mileage.

5. **Products carried**—Instead of asking the respondents to select one specific type of product carried most of the time, we requested the percent of mileage for each product carried.

EXPLANATION OF TERMS

Vehicle size—This size classification is based on the gross vehicle weight (empty weight of the vehicle plus the average load carried) at which the vehicle operated during the past 12 months. The four size classes are:

1. **Light**—Gross vehicle weight of 10,000 pounds or less.
2. **Medium**—Gross vehicle weight of 10,001 to 19,500 pounds.
3. **Light-heavy**—Gross vehicle weight of 19,501 to 26,000 pounds.
4. **Heavy-heavy**—Gross vehicle weight of 26,001 pounds or more.

Operator classification—This item consists of two major sections, never for hire and always for hire:

1. **Never for hire**—Includes a private owner or a company which transports its own materials or merchandise, or uses the vehicle for personal transportation.
2. **Always for hire**—Includes the following:
   a. **Interstate, exempt carrier**—Includes those operators who are not required to have an I.C.C. certificate because they transport only exempt commodities or operate in an exempt zone.
   b. **Interstate, I.C.C. certified contract carrier**—Includes those operators who carry the goods of someone other than the vehicle owner by individual contract or agreement.
   c. **Interstate, I.C.C. certified common carrier**—Includes those operators who offer service to the general public, usually operating a regularly scheduled service between established terminals over a more or less regular route.
   d. **Intrastate, local cartage**—Includes those operators who travel only within the state of registration or are engaged in local cartage.
   e. **Daily rental**—Includes those operators who offer short-term truck rental or leasing without a driver.

Major use—This item is based on the answer to the question: How was the vehicle mostly used during the past 12 months? Each of the 12 specific major use categories conforms to the generally accepted meaning of the terms. Responses to the "Other" category were recoded to one of the specific categories if possible. The following are frequent "Other" responses which were recoded:

1. House moving was recoded to "For-hire transportation."
2. Trucks used in conjunction with railroads were recoded to "For-hire transportation."
3. Armored car services were recoded to "Services."
4. Commercial fishing was recoded to "Agriculture."
5. Oilfield services were recoded to "Mining and quarrying."
6. Certain specialized activities commonly thought of as services, such as plumbing, painting, plastering, carpentry, and electrical work, were recoded to "Construction."

U.S. mail service when done on a contract basis, antique trucks, and yard tractors were left in "Other."

The category "Not in Use" in the tables includes vehicles which, though licensed, were not used during the survey year, and those vehicles which were wrecked during the entire year.

Products carried—This item includes broad classifications of agricultural, manufacturing, and mineral products, as well as special categories of materials carried by trucks. Responses to the "Other" category were recoded to one of the 26 specific categories if possible. The following are frequent "Other" responses which were recoded:

1. Crews of workers and their tools were recoded to "Craftsman's vehicle."
2. Flowers, trees, shrubs, etc., were recoded to "Fresh farm products."
3. Animal by-products and sewage were recoded to "Scrap, refuse, or garbage."
4. Clay was recoded to "Mining products."
5. Auto parts (including tires) were recoded to "Transportation equipment and parts."

Rental equipment, water, and personnel were among the major categories left in "Other."

Hazardous materials—This category was designed to identify those trucks which regularly transport hazardous materials in quantities large enough to require a placard under the Code of Federal Regulations, Title 49, Transportation.

Truck fleet size—The size of the truck fleet is based on the number of trucks operated by a truck owner from a single "base of operation." The fleet located at the "base of operation" usually is smaller than the total fleet that an owner has if he operates from more than one base. The data shown in the "Truck Fleet Size" section of the tables are based on the number of trucks found in fleets of specified size and not the number of fleets. (If the item of the survey form was unanswered, the vehicle was assumed to be in a fleet of one, classified in accordance with the reported vehicle type.)

Range of Operation—The area in which the vehicle usually operates is classified as one of the following:

1. **Local**—Mostly in the local area, i.e., in or around the city and suburbs, or usually within a 50-mile radius of the

farm, factory, mine, or other place where the vehicle is stationed.

2. **Short range**—Mostly over-the-road (beyond the local area), usually within a 50- to 200-mile radius from the place where the vehicle is stationed.
3. **Long range**—Mostly over-the-road, usually more than 200 miles one way to the most distant stop from the place where the vehicle is stationed.
4. **Off-the-road**—Mostly off-the-road operation (usually associated with construction and farming).

Body type—This category includes the type of body that is either permanently attached to the power unit (i.e., straight truck) or most frequently used with a truck tractor as a tractor-trailer combination. Entries in the "Other" category were recoded if possible to a specific category. Those vehicles remaining in the "Other" category included truck tractors used in house moving, mobile home pulling, and boat transport.

Annual miles—Respondents were asked to report the total number of miles the truck was driven during the past 12 months. If the vehicle had less than 1 year's use, the respondent was asked to estimate the probable miles for a full year. If there was no response to the item, the annual miles were estimated (based on lifetime miles, length of time the vehicle was owned, body type, area of operation, vehicle type, and fuel type).

SAMPLE DESIGN

The Truck Inventory and Use Survey (at the national level) was based on a stratified probability sample of about 120,000 trucks drawn from an estimated universe of approximately 35 million current registrations on file with the motor vehicle departments in the 50 States and the District of Columbia.

A stratified random sample based on body type was selected in each State. Each State was divided into five strata: "pickup," "van," "single-unit light," "single-unit heavy" and "truck tractor." The "pickup" truck stratum consisted of only pickup trucks. The "van" truck statum consisted of panel trucks, vans, utilities, jeeps, and station wagons on truck chassis. The "single-unit light" truck stratum consisted of all other single-unit trucks with a gross vehicle weight (GVW) of 26,000 pounds or less. The "single-unit heavy" truck stratum consisted of the remaining single-unit trucks. The "truck tractor" stratum consisted of only truck tractors.

Part of the sample (two-thirds) was allocated to meet "minimum" standards of reliability for each stratum in each State. For the "pickup" stratum, a minimum sample size was determined for each State based on the percentage of pickups in that State (the pickup strata usually contains 40 to 75 percent of the trucks in a State). Larger minimum sample sizes were specified for States with a larger percentage of trucks in the "pickup" stratum to decrease the domination of the variances by the "pickup" stratum in these States. For the remaining strata, a constant minimum sample size in each State was set as follows: 60 trucks for the "van" stratum, 700 (except 400 in the District of Columbia) trucks for the "single-unit light" stratum, 250 (except 100 in District of Columbia) trucks for the "single-unit heavy" stratum, and 400 (except 250 in Alabama, Hawaii, Idaho, Maine, Montana, Nevada, New Hampshire, Minnesota, North Dakota, New York, Rhode Island, Vermont, and 25 in the District of Columbia) trucks for the "truck tractor" stratum.

The rest of the sample was allocated to the strata proportionately to the number of trucks in the State to improve the U.S. estimates. The number of total trucks sampled in each State ranged from 1,462 for Rhode Island to 5,016 for California (except 658 for District of Columbia), the mean being 2,352 trucks per State.

SURVEY METHOD

Report form TC-9501 was mailed to owners of trucks in the pickups and vans strata while report form TC-9502 was mailed to owners of all other trucks selected for the 1982 TIUS sample. The owner was asked to respond only for the vehicle identified by license number in the Registration Information Section of the report form, whether or not he or she was still the owner. These data (make, model year, license number, vehicle identification number) were imprinted on the form using information from the State registration records. The information received on the returned questionnaires was data keyed and processed through an extensive computer edit. Reports which contained questionable responses were referred and corrected if necessary. Estimates of the number of trucks with each characteristic were obtained by expanding the sampled units to the State truck population level.

RELIABILITY OF ESTIMATES

There are two reasons why the estimates based on data from a sample will vary from the unknown population value: Sampling variability and nonsampling error. The accuracy of a survey result depends not only on the sampling variability and nonsampling errors measured, but also on the nonsampling errors not explicitly measured. The following is a description of the sampling variability and nonsampling errors associated with the estimates made from the sample selected for the 1982 TIUS.

Sampling variability—The particular sample selected in this survey is only one of a large number of similar samples of the same size which could have been selected using the same sample design. If all possible samples had been surveyed, under essentially the same conditions, an estimate of an unknown population characteristic or value could have been obtained from each. The different samples give rise to a whole range of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard deviation, which can be approximated from any one sample.

Sampling variability in these tables is given as the percent relative standard error of estimate (RSE). The RSE is the standard deviation divided by the estimate, and this is converted to percent RSE by multiplying by 100. Except for table 2, the RSE's (in percent) are given only for the top row of estimates and the left column of estimates. The procedure for approximating the RSE's (in percent) for the other estimates is covered in appendix B.

The estimate from a particular sample and the approximation of the standard deviation associated with the estimate can be used to construct interval estimates called confidence intervals. A confidence interval is an expression of how well an estimate from a particular sample represents an unknown population value. Associated with each interval is a percentage of confidence (most commonly 68, 90, or 95 percent), which is interpreted as follows. If, for each possible sample, an estimate of

an unknown population value and the approximate standard deviation were obtained, then:

1. For approximately 68 percent of the possible samples, the interval from one standard deviation below to one standard deviation above the estimate would include the unknown population value. We call this a 68-percent confidence interval.
2. For approximately 90 percent of the possible samples, the interval from 1.6 standard deviations below to 1.6 standard deviations above the estimate would include the unknown population value. We call this a 90-percent confidence interval.
3. For approximately 95 percent of the possible samples, the interval from two standard deviations below to two standard deviations above the estimate would include the unknown population value. We call this a 95-percent confidence interval.

Example of a confidence interval calculation:

Assume the number of furniture vans in table 2 is given as 117.4 thousand trucks with a relative standard error of 6.1 percent. Then the standard deviation is:

$$117.4 \times .061 = 7.16 \text{ thousand trucks}$$

Now, an approximate 90 percent confidence interval (the estimate, plus or minus 1.6 standard deviations) is 117.4 plus or minus 11.5, or 105.9 to 128.9 thousand trucks.

Nonsampling errors—All surveys and censuses are subject to nonsampling errors. Nonsampling errors can be attributed to many sources—The inability to obtain responses from all cases in the sample, the inability or unwillingness on the part of respondents to provide correct information, imputation for item nonresponse, response errors and bias, misinterpretation of questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems because of differing registration practices and implementation in some of the States.

Explicit measures of the effects of these nonsampling errors are not available. However, most of the important operational and response errors were detected and corrected through an automated data edit designed to review the data for reasonableness and consistency and an intensive telephone followup. Quality control techniques were used to verify that operating procedures were carried out as specified.

Nearly all types of nonsampling errors that affect this survey would also occur in a complete census. Since surveys are conducted on a smaller scale than censuses, nonsampling errors can be controlled more tightly. Relatively more funds and effort can be expended toward eliciting responses, detecting and correcting response errors, and reducing processing errors. As a result, survey results can often be more accurate than census results.

Ninety percent of the questionnaires were returned, with an item nonresponse rate of not more than one percent for most of the major questions. For most estimates in these tables, total nonresponse is handled by allocating the unreturned questionnaires in proportion to the responses. For most categories in the tables, the item nonresponse (respondents not answering the item on the questionnaires) is shown on a separate line. For example, respondents who did not indicate the major use of their truck(s) are included in the "not reported" category. The number given represents the number of trucks not allocated to a particular major use. Users should exercise caution in allocating these trucks to the major uses, since the characteristics of item nonrespondents may differ significantly from those of the respondents.

For some questions, a response was generated to complete a blank on the questionnaire. Engine characteristics and body characteristics were frequently determined through analysis of the vehicle identification number (VIN) and charts based on manufacturer's specifications. All missing annual miles data were imputed based on information available about the truck's lifetime miles, its age, its vehicle type, its number of axles, its engine type, its area of operation, and its major use. Any biases introduced by the imputation and correction procedures are thought to be small.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

–	Represents zero.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
(Z)	Represents less than 50 trucks, or 500,000 miles, or .05 percent, as appropriate for the data column.
RSE	Relative standard error.

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*Available upon request from Economic Surveys Division, Transportation Branch, Bureau of the Census, Washington, D.C. 20233.

Table 1. Trucks—Comparative Summary: 1982 and Earlier Years

[Percent. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	1982	1977	1972	1967
Total	100.0	100.0	100.0	100.0
MAJOR USE				
Agriculture	8.0	9.9	14.2	18.0
Forestry and lumbering	.2	.4	(Z)	(Z)
Mining and quarrying	.4	.3	(Z)	(Z)
Construction	7.4	7.0	9.0	11.2
Manufacturing	2.5	1.9	2.9	3.7
Wholesale and retail trade	4.8	7.7	8.8	13.4
For-hire transportation	1.7	4.9	4.0	5.9
Utilities and service	8.2	8.0	11.0	9.2
Personal transportation	65.8	61.2	48.1	33.8
Other	1.1	1.3	2.3	5.0
BODY TYPE				
Pickup, panel, multistop, or walk-in[1]	90.1	85.8	78.4	87.7
Platform and cattlerack	3.4	4.9	9.1	13.8
Van	2.7	5.2	5.4	7.2
Utility	.3	1.0	2.3	1.3
Pole or logging	(Z)	.1	(Z)	(Z)
Dump	1.3	1.8	2.4	3.2
Tank for liquids or dry bulk	.5	.9	1.2	1.9
Other	1.7	.3	3.0	5.1
VEHICLE SIZE				
Light	92.0	87.5	73.1	69.3
Medium	3.0	2.9	17.0	13.7
Light-heavy	1.4	2.8	2.9	8.1
Heavy-heavy	3.7	7.0	7.0	10.9
ANNUAL MILES[2]				
Less than 5,000	18.1	18.2	18.1	[3](NA)
5,000 to 9,999	29.1	21.7	24.7	[3](NA)
10,000 to 19,999	39.8	41.2	40.3	33.0
20,000 to 29,999	9.0	11.8	10.4	7.2
30,000 miles or more	4.1	7.3	6.6	7.8

Vehicular and operational characteristics	1982	1977	1972	1967
YEAR MODEL				
1 to 2 years old	8.8	20.0	21.5	22.8
3 to 4 years old	19.6	26.5	22.8	25.5
Over 4 years old	71.8	53.5	55.7	51.7
VEHICLE ACQUISITION				
Purchased new	55.2	58.0	58.8	58.8
Purchased used	43.5	40.5	40.5	39.8
Leased from someone and not reported	1.3	1.5	.9	1.4
TRUCK FLEET SIZE				
1	84.2	73.9	66.6	52.4
2 to 5	5.6	13.7	18.2	17.8
8 to 19	4.9	5.7	8.3	9.6
20 or more	5.3	8.7	6.9	8.5
Not reported	(Z)	(Z)	(Z)	11.7
TRUCK TYPE[4]				
Single-unit trucks	96.3	95.9	94.3	75.4
2 axles	95.7	94.2	91.5	64.1
3 or more axles	.8	1.8	2.7	11.3
Combination	3.7	4.1	5.7	24.6
3 axles	.3	.4	.7	6.4
4 axles	1.8	.9	1.6	8.8
5 or more axles	1.8	2.8	3.4	9.4
RANGE OF OPERATION[4]				
Local	75.5	86.8	80.3	78.1
Short-range (Less than 201 miles)	12.3	7.9	9.6	12.6
Long-range (201 miles or more)	4.5	3.0	3.2	5.5
Off-the-road and not reported	7.7	2.4	8.9	3.8
FUEL TYPE[4]				
Gasoline	95.1	95.8	89.2	86.5
Diesel and LPG	4.9	4.2	3.6	10.4
Not reported	(Z)	(Z)	7.3	3.1

[1]Vans similar to panel trucks are included in pickup, panel, multistop, or walk-in.
[2]Annual miles were imputed if not reported.
[3]For 1967 survey, data were presented for 'Less than 6,000 miles' (31.7 percent) and '6,000 to 9,999 miles' (20.3 percent).
[4]For 1967, data do not include panels and pickups.

Table 2. Trucks, Truck Miles, and Average Annual Miles: 1982

[Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Trucks and truck miles[1]			Trucks and truck miles, excluding pickups, panels, utilities, and station wagons[1]			Relative standard error of estimate (percent) for column—					
	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)						
	A	B	C	D	E	F	A	B	C	D	E	F
Total trucks	1,174.4	13,370.4	11.4	126.7	2,365.5	16.4	(Z)	4	4	7	4	5
MAJOR USE												
Agriculture	94.0	616.5	6.7	24.4	179.3	7.4	19	24	13	27	39	28
Forestry and lumbering	1.9	12.6	6.7	1.7	12.5	7.4	19	26	23	20	27	23
Mining and quarrying	4.9	102.2	20.9	.4	2.6	7.4	93	97	5	41	48	25
Construction	66.5	1,016.0	11.6	23.6	237.9	10.0	19	22	11	20	16	6
Manufacturing	29.9	583.6	19.5	12.7	350.3	27.5	29	23	15	6	6	7
Wholesale trade	20.0	442.9	22.1	13.0	322.0	24.6	25	22	10	6	6	5
Retail trade	38.3	673.2	16.5	9.4	148.0	15.7	28	33	19	6	10	7
For-hire transportation	16.5	821.9	49.6	16.4	820.2	49.9	4	5	4	4	5	4
Utilities	31.6	357.2	11.2	7.7	74.4	9.7	31	38	19	9	11	6
Services	64.0	937.5	14.6	9.6	138.0	14.1	23	31	21	6	11	6
Daily rental	3.1	66.9	21.4	3.1	66.9	21.4	14	17	14	14	17	14
Personal transportation	772.3	7,369.1	9.5	1.7	10.4	6.0	4	6	5	21	35	28
Other	3.6	132.1	38.7	.1	2.9	24.3	97	98	1	57	59	16
Not in use	9.5	38.3	3.6	4.6	.1	(Z)	61	100	64	76	66	115
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
BODY TYPE												
Pickup	674.9	6,738.3	10.0	(Z)	(Z)	(Z)	2	6	6	(Z)	(Z)	(Z)
Panel or van	192.5	2,645.4	13.7	(Z)	(Z)	(Z)	9	13	9	(Z)	(Z)	(Z)
Utility	73.7	671.6	9.1	(Z)	(Z)	(Z)	20	25	14	(Z)	(Z)	(Z)
Station wagon	104.5	951.8	9.1	(Z)	(Z)	(Z)	16	19	10	(Z)	(Z)	(Z)
Multistop or walk-in	12.5	132.6	10.6	12.5	132.6	10.6	46	52	32	46	52	32
Platform with added devices	7.4	65.1	6.6	7.4	65.1	6.6	9	13	10	9	13	10
Low boy or depressed center	1.6	32.6	20.1	1.6	32.6	20.1	17	24	19	17	24	19
Basic platform	30.3	275.1	9.1	30.3	275.1	9.1	15	7	14	15	7	14
Livestock truck	.4	3.2	6.1	.4	3.2	8.1	41	45	36	41	45	38
Insulated nonrefrigerated van	.9	20.2	22.8	.9	20.2	22.6	26	33	24	26	33	24
Insulated refrigerated van	3.5	115.6	33.0	3.5	115.6	33.0	12	15	10	12	15	10
Drop-frame van	1.2	44.5	38.5	1.2	44.5	38.5	21	26	23	21	28	23
Open-top van	.7	5.1	7.4	.7	5.1	7.4	31	40	34	31	40	34
Basic enclosed van	24.9	919.5	38.9	24.9	919.5	38.9	4	5	4	4	5	4
Beverage	2.5	29.1	11.6	2.5	29.1	11.6	14	16	6	14	16	6
Public utility	4.0	39.7	10.0	4.0	39.7	10.0	13	16	9	13	16	9
Winch or crane	1.4	16.0	13.3	1.4	16.0	13.3	20	25	16	20	25	16
Wrecker	3.1	29.9	9.6	3.1	29.9	9.6	15	21	14	15	21	14
Pole or logging	.2	4.6	21.0	.2	4.6	21.0	45	48	40	45	48	40
Auto transport	3.3	195.4	58.9	3.3	195.4	58.9	10	11	5	10	11	5
Service truck	3.9	41.0	10.8	3.9	41.0	10.6	14	17	10	14	17	10
Yard tractor	.6	9.2	14.8	.6	9.2	14.6	25	32	20	25	32	20
Oilfield truck	.3	3.4	10.7	.3	3.4	10.7	45	51	13	45	51	13
Cargo container chassis	.3	6.9	25.7	.3	6.9	25.7	33	46	33	33	46	33
Grain body	1.4	5.0	3.7	1.4	5.0	3.7	22	29	16	22	29	16
Garbage hauler	1.9	40.4	21.3	1.9	40.4	21.3	15	19	13	15	19	13
Dump truck	15.4	149.2	9.7	15.4	149.2	9.7	30	24	9	30	24	9
Tank truck (liquids or gases)	5.5	151.9	27.6	5.5	151.9	27.6	9	11	6	9	11	6
Tank truck (dry bulk)	.6	16.5	21.4	.8	16.5	21.4	25	34	28	25	34	28
Concrete mixer	.6	7.3	9.3	.6	7.3	9.3	19	21	9	19	21	9
Other	.1	1.9	17.9	.1	1.9	17.9	77	71	45	77	71	45
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
ANNUAL MILES[1]												
Less than 5,000	212.7	439.5	2.1	37.0	65.5	1.8	12	15	10	16	10	11
5,000 to 9,999	341.4	2,372.2	6.9	26.7	183.3	6.9	9	9	2	17	19	2
10,000 to 19,999	467.4	5,745.7	12.3	29.4	387.4	13.2	7	7	2	18	16	2
20,000 to 29,999	105.2	2,338.5	22.2	12.1	273.8	22.6	18	18	2	6	6	1
30,000 to 49,999	25.6	972.8	37.7	9.6	354.3	36.7	31	32	5	7	7	1
50,000 to 74,999	15.5	836.3	53.9	7.5	435.8	58.0	37	34	3	7	7	1
75,000 or more	8.4	665.3	104.0	8.4	665.3	104.0	7	6	2	7	8	2
RANGE OF OPERATION												
Local	886.3	9,390.1	10.6	85.2	959.7	11.3	3	5	4	8	5	6
Short-range (Less than 201 miles)	144.3	1,667.5	13.1	22.8	666.2	29.5	15	14	8	21	12	11
Long-range (201 miles or more)	52.8	1,476.9	28.0	12.8	701.8	54.9	25	21	18	28	7	28
Off-the-road	89.9	613.9	6.6	7.4	37.8	5.1	20	27	18	9	13	11
Not reported	1.1	(Z)	(Z)	.8	(Z)	(Z)	25	(Z)	(Z)	29	(Z)	(Z)
BASE OF OPERATION												
Percentage of miles traveled outside base-of-operation State:												
Less than 25 percent	895.9	9,590.8	10.7	96.5	1,274.1	13.2	3	5	4	8	7	5
25 to 49 percent	42.5	675.7	15.9	5.5	85.6	15.5	28	39	28	63	18	64
50 to 74 percent	44.5	601.5	13.5	5.4	283.3	52.2	28	20	18	9	10	7
75 to 100 percent	29.2	868.8	29.7	6.2	417.5	67.6	32	24	18	8	9	6
Not reported	162.2	1,633.7	10.1	15.1	304.8	20.2	14	15	8	8	8	7
VEHICLE SIZE												
Light	1,080.2	11,243.4	10.4	43.7	351.2	8.0	1	5	4	17	11	13
Medium	34.8	396.5	11.4	25.7	283.8	11.1	23	27	7	18	25	6
Light-heavy	15.9	181.1	11.4	15.9	181.1	11.4	8	8	8	8	8	8
Heavy-heavy	43.5	1,549.3	35.6	43.5	1,549.3	35.6	2	3	3	2	3	3

See footnotes at end of table.

Table 2. **Trucks, Truck Miles, and Average Annual Miles: 1982**—Con.

[Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Trucks and truck miles[1]			Trucks and truck miles, excluding pickups, panels, utilities, and station wagons[1]			Relative standard error of estimate (percent) for column—					
	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)						
	A	B	C	D	E	F	A	B	C	D	E	F
AVERAGE WEIGHT (POUNDS)												
Less than 6,001	1,003.7	10,232.0	10.2	21.5	115.9	5.4	2	5	5	34	31	26
6,001 to 10,000	76.5	1,011.3	13.2	22.2	235.3	10.6	18	24	13	5	8	6
10,001 to 14,000	21.6	251.0	11.6	12.5	138.3	11.1	36	42	10	37	50	14
14,001 to 16,000	5.7	62.9	11.0	5.7	62.9	11.0	11	16	13	11	16	13
16,001 to 19,500	7.4	82.6	11.2	7.4	82.6	11.2	9	14	11	9	14	11
19,501 to 26,000	15.9	181.1	11.4	15.9	181.1	11.4	6	8	6	6	8	6
26,001 to 33,000	8.3	145.6	17.5	8.3	145.6	17.5	7	9	7	7	9	7
33,001 to 40,000	6.5	130.1	19.9	6.5	130.1	19.9	8	11	8	8	11	8
40,001 to 50,000	8.0	218.6	27.4	8.0	218.6	27.4	6	11	9	6	11	9
50,001 to 60,000	6.5	347.3	53.7	6.5	347.3	53.7	7	9	6	7	9	6
60,001 to 80,000	10.6	552.5	52.3	10.6	552.5	52.3	5	7	5	5	7	5
80,001 to 100,000	1.6	73.0	47.0	1.6	73.0	47.0	15	18	10	15	18	10
100,001 to 130,000	.6	19.0	34.0	.6	19.0	34.0	25	28	13	25	28	13
130,001 or more	1.6	63.2	40.7	1.6	63.2	40.7	15	17	6	15	17	6
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
TOTAL LENGTH (FEET)												
Less than 7.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7.0 to 9.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
10.0 to 12.9	67.3	591.1	8.8	.7	5.4	7.8	23	29	16	33	48	35
13.0 to 15.9	203.5	2,146.0	10.5	6.6	33.7	5.1	12	16	10	54	22	56
16.0 to 19.9	763.0	8,068.7	10.6	29.3	241.7	8.2	4	7	5	22	16	14
20.0 to 27.9	88.9	911.2	10.2	44.9	474.7	10.6	16	18	10	10	15	6
28.0 to 35.9	18.0	240.3	13.4	13.5	196.9	14.6	26	19	9	8	8	6
36.0 to 40.9	3.4	56.9	16.5	3.4	56.9	16.5	12	14	9	12	14	9
41.0 to 44.9	1.1	12.7	11.3	1.1	12.7	11.3	21	22	11	21	22	11
45.0 or more	29.2	1,343.5	46.0	29.2	1,343.5	46.0	2	3	3	2	3	3
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
YEAR MODEL												
1983	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1982	29.9	744.5	24.9	2.3	66.8	28.9	35	37	18	16	19	14
1981	71.3	1,189.1	16.7	4.1	156.4	38.5	23	26	15	11	14	11
1980	46.6	983.0	21.1	7.8	303.3	38.9	27	25	11	8	11	9
1979	183.3	2,522.6	13.8	13.6	364.0	26.8	13	14	7	6	8	6
1978	183.8	2,094.4	11.4	13.7	379.7	27.7	13	13	7	6	8	6
1977	113.8	1,362.8	12.0	10.3	260.9	25.4	17	16	10	7	9	7
1976	112.4	1,128.8	10.0	5.0	117.9	23.5	16	19	9	11	13	9
1975	49.4	420.2	8.5	8.0	123.8	15.4	26	25	10	8	11	8
1974	91.3	705.8	7.7	8.9	130.8	14.6	20	19	7	8	10	8
1973	60.9	594.9	9.8	13.8	206.5	15.0	23	24	11	33	34	6
Pre-1973	227.0	1,606.7	7.1	41.2	251.4	6.1	11	16	14	16	15	14
Not reported	4.6	17.6	3.9	(Z)	4.0	100.0	99	80	31	99	99	(Z)
VEHICLE ACQUISITION												
Purchased new	648.4	8,257.9	12.7	76.1	1,730.3	22.7	5	6	5	9	4	7
Purchased used	511.3	4,849.0	9.5	46.8	523.8	10.8	7	9	7	12	14	9
Leased from someone else	13.8	245.2	17.8	3.2	93.5	28.9	44	41	22	13	18	14
Not reported	.9	18.4	21.0	.7	18.0	25.0	26	36	30	28	37	29
LEASE CHARACTERISTICS[2]												
Leased without driver	13.5	239.4	17.7	3.0	88.2	28.9	44	42	22	13	19	15
Leased with driver	(Z)	.2	4.0	(Z)	.2	4.0	99	99	(Z)	99	99	(Z)
Leased with owner-operator	.2	3.9	25.5	.1	3.5	45.0	70	88	54	99	99	(Z)
Provisions of lease	9.9	192.4	19.4	2.9	84.0	29.0	50	47	27	13	19	15
Financing (no maintenance)	9.6	180.2	18.9	2.5	71.7	28.6	52	50	28	14	21	17
Financing (full maintenance)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Other	.4	12.2	32.0	.4	12.2	32.0	37	39	23	37	39	23
OPERATOR CLASSIFICATION												
Not for hire:												
Private owner or individual	1,149.7	12,441.6	10.8	104.2	1,438.4	13.8	(Z)	4	4	7	6	8
For hire	20.0	892.1	44.8	19.9	890.4	44.8	4	5	4	4	5	4
Motor carrier	15.0	746.1	49.8	15.0	746.1	49.8	4	6	4	4	6	4
Owner-operator	1.7	70.1	40.1	1.8	68.4	42.9	17	19	14	17	20	13
Daily rental	3.1	66.9	21.4	3.1	66.9	21.4	14	17	14	14	17	14
Mixed—for hire/not for hire	.2	9.0	57.2	.2	9.0	57.2	60	69	58	60	69	56
For-hire interstate	9.7	651.0	66.9	9.7	651.0	66.9	6	7	4	8	7	4
Exempt carrier	1.4	20.5	14.7	1.4	20.5	14.7	21	24	13	21	24	13
Contract carrier	.7	31.4	48.0	.7	31.4	48.0	25	32	19	25	32	19
Common carrier	11.5	580.0	50.3	11.5	580.0	50.3	5	7	5	5	7	5
For-hire intrastate	2.8	100.2	36.1	2.8	100.2	36.1	12	14	9	12	14	9
For-hire local	4.7	81.1	17.2	4.5	78.7	17.6	10	13	8	11	13	8

See footnotes at end of table.

Table 2. **Trucks, Truck Miles, and Average Annual Miles: 1982**—Con.

[Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see Introductory text]

Vehicular and operational characteristics	Trucks and truck miles[1]			Trucks and truck miles, excluding pickups, panels, utilities, and station wagons[1]			Relative standard error of estimate (percent) for column—					
	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)						
	A	B	C	D	E	F	A	B	C	D	E	F
PRODUCTS CARRIED												
Farm products	40.7	308.7	7.8	21.0	159.3	7.6	27	38	23	31	43	28
Live animals	15.5	342.5	22.0	2.0	25.7	13.1	50	69	44	18	28	25
Mining products	.4	8.0	20.2	.4	8.0	20.2	38	55	48	38	55	48
Logs and other forest products	10.5	81.1	7.8	1.2	12.5	10.1	81	84	59	22	33	28
Lumber and fabricated wood products	3.0	37.8	12.8	2.9	37.8	13.0	15	21	17	15	21	17
Processed foods	17.7	413.8	23.4	10.7	291.7	27.3	28	23	12	7	9	7
Textile mill products	4.5	92.1	20.8	1.0	22.5	22.9	78	78	5	25	29	19
Building materials	22.7	327.7	14.5	13.3	164.0	12.3	28	38	18	8	8	6
Household goods	2.7	47.3	17.7	2.8	48.5	18.0	16	23	20	18	23	20
Furniture or hardware	9.1	199.4	21.8	1.1	21.8	19.4	63	63	7	23	27	20
Paper products	10.2	182.1	17.8	1.2	32.8	27.7	62	58	8	21	25	18
Chemicals	6.8	107.0	15.7	3.1	69.8	22.5	52	35	21	13	18	15
Petroleum	7.5	275.9	36.8	4.0	108.7	27.1	47	81	15	11	13	9
Plastics and/or rubber	1.4	31.6	23.2	1.4	31.8	23.2	22	34	30	22	34	30
Primary metal products	2.2	60.6	27.7	2.1	59.7	28.3	15	17	12	15	17	12
Fabricated metal products	14.1	196.9	14.0	6.0	127.8	21.2	41	26	18	10	15	13
Machinery	11.9	196.1	16.5	3.7	60.8	16.3	48	48	9	12	18	14
Transportation equipment	14.5	401.6	27.7	9.8	370.4	37.8	32	11	25	7	8	8
Scrap, refuse, or garbage	6.8	116.8	17.1	6.6	113.0	17.2	9	11	9	9	11	9
Mixed cargoes	27.3	685.7	25.1	9.0	392.3	43.5	33	24	16	7	9	7
Craftsman's equipment	74.1	749.0	10.1	16.1	150.2	9.3	21	25	14	29	24	7
Personal transportation	772.3	7,369.1	9.5	1.7	10.4	6.0	4	8	5	21	35	28
No load carried	78.3	852.5	10.9	1.8	15.8	8.8	22	24	10	20	30	23
Not in use	4.9	.1	(Z)	4.6	.1	(Z)	71	88	113	76	88	115
Other	15.5	287.3	18.6	1.4	32.7	22.6	45	56	38	19	25	19
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
HAZARDOUS MATERIALS CARRIED												
Hazardous materials carried	9.9	440.7	44.3	9.9	440.7	44.7	6	8	6	6	8	8
Less than 25 percent of time	5.4	304.5	56.4	5.3	304.4	57.2	8	10	7	8	10	7
25 to 49 percent of time	1.9	47.4	24.7	1.9	47.4	24.7	17	20	14	17	20	14
50 to 74 percent of time	.3	8.5	32.0	.3	8.5	32.0	43	47	30	43	47	30
75 to 100 percent of time	2.4	80.3	34.1	2.4	80.3	34.1	14	16	9	14	18	9
No percent reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Types of hazardous materials[2]	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Flammables or combustibles	8.7	392.5	45.2	8.7	392.5	45.2	7	8	8	7	8	6
Acids, poisons, caustics, etc.	4.1	257.1	62.6	4.1	257.1	62.8	9	12	7	9	12	7
Explosives	.2	2.5	10.8	.2	2.4	15.5	52	68	62	60	71	60
Radioactive materials	.1	1.2	21.5	.1	1.2	21.5	70	92	60	70	92	60
Hazardous waste	.4	16.2	36.5	.4	18.2	36.5	31	33	16	31	33	16
Hazardous materials not listed above	.1	2.1	17.4	.1	2.1	17.4	57	71	43	57	71	43
Not reported	.1	1.0	13.0	.1	1.0	13.0	70	79	38	70	79	38
No hazardous materials carried	627.0	7,713.4	12.3	115.4	1,870.0	18.2	5	7	5	7	5	8
Not reported	537.5	5,216.2	9.7	3.5	54.8	15.8	6	8	8	13	19	15
TRUCK FLEET SIZE[3]												
1	988.4	10,216.2	10.3	51.6	593.8	11.5	2	5	4	17	14	12
2 to 5	66.2	635.5	9.6	24.4	323.5	13.2	20	20	14	5	7	6
6 to 19	58.0	1,007.5	17.4	18.6	335.3	18.0	22	25	14	5	7	5
20 or more	61.8	1,511.1	24.4	34.1	1,112.9	32.7	17	11	8	3	4	4
MILES PER GALLON												
Less than 5	24.9	771.6	31.0	24.8	771.5	31.1	4	5	5	4	5	5
5 to 6.9	45.3	990.2	21.8	31.4	819.6	26.1	17	13	12	4	5	4
7 to 8.9	91.4	1,058.1	11.6	23.9	305.7	12.8	19	21	11	19	23	6
9 to 11.9	311.3	2,744.2	8.8	23.9	201.8	8.4	10	12	7	19	8	17
12 to 14.9	310.2	3,533.9	11.4	13.2	79.7	6.0	9	12	8	44	44	29
15 to 19.9	252.9	2,696.3	10.7	1.2	6.0	5.1	11	16	11	25	34	28
20 or more	54.7	713.5	13.0	.1	.3	2.4	28	31	13	74	70	18
Not reported	63.6	862.5	10.3	10.2	180.8	17.8	20	22	12	7	10	8
EQUIPMENT TYPE												
Transmission	1,174.4	13,370.4	11.4	128.7	2,365.5	18.4	(Z)	4	4	7	4	5
Manual	424.8	4,699.9	11.1	111.4	2,085.7	18.7	7	7	5	8	4	6
Automatic	730.2	8,414.6	11.5	13.6	209.6	15.4	4	7	5	6	9	6
Not reported	19.4	255.8	13.2	3.7	70.2	19.0	39	36	9	12	15	11
Braking system	1,174.4	13,370.4	11.4	128.7	2,385.5	18.4	(Z)	4	4	7	4	5
Hydraulic	32.4	302.0	9.3	28.8	289.2	10.1	4	7	6	4	7	8
Hydraulic (power)	1,097.1	11,536.4	10.5	56.4	554.5	9.8	(Z)	4	4	15	14	11
Air	38.9	1,440.2	37.1	38.9	1,440.2	37.1	2	3	3	2	3	3
Not reported	6.0	91.7	15.3	4.7	81.5	17.4	10	13	10	11	14	10
Power steering[2]	855.9	10,248.4	12.0	71.9	1,532.9	21.3	3	5	4	7	4	5
Air conditioning[2]	288.8	3,962.1	13.7	11.1	712.6	64.4	9	11	8	5	7	4
Engine retarder[2]	2.4	56.2	23.2	2.4	56.2	23.2	15	19	15	15	19	15
Reflective materials[2]	13.9	303.7	21.9	13.8	303.6	22.0	6	9	7	6	9	7
FUEL CONSERVATION EQUIPMENT[2]												
Aerodynamic features	5.9	277.2	47.3	5.7	275.9	48.3	9	11	8	9	11	8
Axle or drive ratio	18.8	577.5	30.8	18.4	574.5	31.3	5	7	8	5	7	6
Fuel economy engine	11.9	550.3	46.2	11.8	548.8	46.3	6	7	8	6	7	8
Radial tires	402.8	5,959.8	14.8	23.7	1,062.2	44.8	8	9	6	4	5	4
Road speed governor	28.7	641.2	24.0	28.7	641.2	24.0	4	5	4	4	5	4
Variable fan drives	16.6	771.3	46.5	18.6	771.3	46.5	5	6	5	5	6	5
Other fuel conservation devices	2.8	107.8	37.8	2.8	106.1	38.3	13	15	11	13	15	11
Not reported	741.6	8,889.0	9.3	75.2	782.7	10.4	4	7	5	12	10	8

See footnotes at end of table.

Table 2. **Trucks, Truck Miles, and Average Annual Miles: 1982**—Con.

[Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Trucks and truck miles[1]			Trucks and truck miles, excluding pickups, panels, utilities, and station wagons[1]			Relative standard error of estimate (percent) for column—					
	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)						
	A	B	C	D	E	F	A	B	C	D	E	F
MAINTENANCE												
General maintenance:												
Owner	761.1	7,880.9	10.1	51.4	530.4	10.3	4	7	5	17	15	12
Company's maintenance facilities	104.6	2,168.0	20.7	49.2	1,323.8	26.9	14	12	8	3	4	3
Dealership's service department	116.6	1,353.4	11.4	11.3	200.2	17.6	16	17	6	7	10	8
Leasing company	9.4	279.0	29.7	1.4	61.4	44.3	61	65	41	17	20	11
Independent garage	239.7	2,566.6	10.7	25.7	367.4	14.3	11	13	6	16	11	10
Component distributorship	5.0	128.6	26.0	.4	15.4	36.1	91	88	5	34	40	30
Other	4.2	47.0	11.2	.8	26.9	52.6	83	46	53	31	44	35
Not reported	59.6	714.4	12.0	7.6	161.8	21.4	23	23	12	6	10	6
Major overhauls:												
Owner	265.7	2,649.0	10.0	9.8	110.5	11.5	11	14	10	8	12	10
Company's maintenance facilities	58.4	1,380.4	23.6	30.5	667.1	29.1	16	15	9	4	5	4
Dealership's service department	144.6	1,955.2	13.5	22.8	438.7	19.3	15	18	11	16	7	18
Leasing company	4.5	215.0	48.1	1.0	40.8	41.5	76	61	4	21	25	14
Independent garage	234.1	3,019.9	12.9	30.9	483.9	15.7	11	12	8	19	15	12
Component distributorship	1.4	65.8	47.2	1.4	65.8	47.2	17	20	12	17	20	12
Other	12.0	242.4	20.2	.5	17.1	35.4	56	71	50	30	41	25
Not reported	501.7	4,488.2	8.9	42.2	481.0	11.4	7	9	8	15	9	11
ENGINE TYPE AND SIZE												
Engine	1,174.4	13,370.4	11.4	128.7	2,365.5	18.4	(Z)	4	4	7	4	5
Gasoline	1,116.6	11,586.5	10.4	92.5	844.8	9.1	1	4	4	9	10	7
Diesel	52.4	1,730.2	33.0	34.3	1,494.9	43.6	17	7	11	2	3	3
LPG or other	5.3	52.1	9.8	1.8	24.2	13.3	66	55	14	19	22	14
Not reported	.1	1.5	14.7	.1	1.5	14.7	77	71	19	77	71	19
Cylinders	1,174.4	13,370.4	11.4	128.7	2,365.5	18.4	(Z)	4	4	7	4	5
4	51.2	548.8	10.7	.6	9.4	12.8	28	35	19	30	55	46
6	287.7	3,405.5	12.7	38.7	1,183.5	30.6	10	10	7	9	4	10
8	850.8	9,363.9	11.0	66.2	1,155.5	13.1	4	8	5	9	7	6
Other	.2	2.8	15.2	.2	2.8	15.2	53	62	51	53	62	51
Not reported	4.6	49.4	10.8	.9	14.3	15.3	76	71	11	24	38	33
Cubic inch displacement	1,174.3	13,368.8	11.4	128.8	2,363.9	18.4	(Z)	4	4	7	4	5
Gasoline engines	1,116.6	11,586.5	10.4	92.5	844.6	9.1	1	4	4	9	10	7
Less than 200	49.1	492.8	10.0	.5	.4	.8	29	37	22	41	51	31
200 to 299	123.0	890.1	7.2	11.8	52.3	4.4	17	22	15	30	14	32
300 to 349	311.4	3,401.6	10.9	12.8	105.8	8.4	10	12	7	7	11	8
350 to 399	477.1	5,291.8	11.1	53.0	539.0	10.2	7	10	7	15	15	9
400 or more	65.6	984.9	11.5	9.6	114.1	11.9	20	23	13	7	11	6
Not reported	70.4	525.2	7.5	5.1	33.2	6.5	23	28	12	11	17	13
Diesel engines	52.4	1,730.2	33.0	34.3	1,494.9	43.6	17	7	11	2	3	3
Less than 400	16.4	271.9	16.6	2.8	81.9	29.1	48	41	11	12	18	13
400 to 599	18.8	582.2	34.7	12.2	537.0	43.9	27	10	20	5	6	4
600 to 799	5.6	157.2	27.2	5.6	157.2	27.2	8	11	7	8	11	7
800 or more	11.0	644.4	58.5	11.0	644.4	58.5	5	7	4	5	7	4
Not reported	2.5	74.5	30.3	2.5	74.5	30.3	12	18	11	12	18	11
Other engines	5.3	52.1	9.8	1.8	24.2	13.3	66	55	14	19	22	14
Less than 400	5.0	47.3	9.4	1.5	19.4	12.6	70	60	13	21	28	17
400 or more	.3	3.8	14.8	.3	3.8	14.8	41	41	17	41	41	17
Not reported	(Z)	1.0	35.1	(Z)	1.0	35.1	99	98	(Z)	99	98	(Z)
Horsepower	1,174.3	13,368.8	11.4	128.8	2,363.9	18.4	(Z)	4	4	7	4	5
Gasoline engines	1,116.8	11,586.5	10.4	92.5	844.8	9.1	1	4	4	9	10	7
Less than 100	43.2	408.8	9.5	.3	1.0	2.9	30	41	28	45	74	66
100 to 199	803.0	6,704.8	10.8	63.5	570.7	9.0	4	8	5	12	13	10
200 to 249	166.4	1,498.1	9.0	22.1	219.0	9.9	14	18	9	21	17	7
250 or more	33.6	447.7	13.3	1.4	18.9	13.1	34	39	23	20	30	22
Not reported	70.3	527.1	7.5	5.2	35.2	6.8	23	26	12	11	18	12
Diesel engines	52.4	1,730.2	33.0	34.3	1,494.9	43.8	17	7	11	2	3	3
Less than 250	28.2	651.9	23.1	14.7	466.4	31.8	28	17	12	5	6	4
250 to 349	11.8	665.9	56.3	11.8	665.9	56.3	5	6	4	5	8	4
350 to 449	5.3	283.3	53.7	5.3	283.3	53.7	8	9	5	6	9	5
450 or more	.7	17.7	25.8	.7	17.7	25.8	23	32	21	23	32	21
Not reported	8.4	111.4	17.5	1.9	81.8	33.2	71	46	28	14	20	14
Other engines	5.3	52.1	9.8	1.8	24.2	13.3	66	55	14	19	22	14
Less than 250	5.1	49.3	9.8	1.8	21.4	13.0	66	56	13	20	24	16
250 or more	.1	.9	12.0	.1	.9	12.0	99	99	(Z)	99	99	(Z)
Not reported	.1	1.9	16.3	.1	1.9	18.3	77	70	35	77	70	35
TRUCK TYPE AND AXLE ARRANGEMENT												
Single-unit trucks	1,130.8	11,839.1	10.5	94.0	945.5	10.1	1	4	4	9	9	7
2 axles	1,123.4	11,750.8	10.5	66.8	657.2	9.9	1	4	4	10	9	7
3 axles	8.2	75.4	12.1	6.2	75.4	12.1	7	10	8	7	10	8
4 axles or more	1.0	12.9	12.8	1.0	12.9	12.6	16	21	13	16	21	13
Combinations	43.7	1,531.3	35.0	34.7	1,420.0	40.9	15	6	10	2	3	3
Single-unit truck with trailer	13.5	169.1	12.6	4.4	57.6	13.1	48	48	11	11	15	10
3 axles	.3	4.2	15.5	.3	4.2	15.5	47	52	33	47	52	33
4 axles	10.6	131.6	12.2	1.7	20.5	11.9	59	61	13	19	23	14
5 axles or more	2.4	33.1	13.7	2.4	33.1	13.7	15	20	16	15	20	16
Truck-tractor with single trailer	28.8	1,261.6	44.7	26.6	1,261.6	44.7	2	4	3	2	4	3
3 axles	2.9	55.5	19.3	2.9	55.5	19.3	11	14	9	11	14	9
4 axles	8.4	280.0	33.2	6.4	280.0	33.2	6	9	6	8	9	6
5 axles or more	17.3	946.1	54.6	17.3	946.1	54.6	3	5	4	3	5	4
Truck-tractor with double trailers	1.6	80.6	49.1	1.6	80.6	49.1	15	17	6	15	17	6
5 axles	.2	9.7	80.4	.2	9.7	60.4	49	56	26	49	56	26
6 axles	.2	11.6	49.3	.2	11.6	49.3	40	49	27	40	49	27
7 axles or more	1.2	59.1	47.6	1.2	59.1	47.6	17	19	6	17	19	6

See footnotes at end of table.

Table 2. Trucks, Truck Miles, and Average Annual Miles: 1982—Con.

[Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Trucks and truck miles[1]			Trucks and truck miles, excluding pickups, panels, utilities, and station wagons[1]			Relative standard error of estimate (percent) for column—					
	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)	Trucks (thousands)	Truck miles (millions)	Average miles per truck (thousands)						
	A	B	C	D	E	F	A	B	C	D	E	F
TRUCK TYPE AND AXLE ARRANGEMENT—Con.												
Truck-tractor with triple trailers	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7 axles	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
8 axles or more	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Trailer not specified	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Powered axles	1,174.4	13,370.4	11.4	128.7	2,365.5	16.4	(Z)	4	4	7	4	5
1	929.3	10,427.2	11.2	98.3	1,360.3	13.6	3	5	4	9	6	7
2	237.9	2,848.3	12.0	23.2	910.3	39.2	11	11	7	3	5	4
3 or more	.9	15.5	17.0	.9	15.5	17.0	20	29	19	20	29	19
Not reported	6.3	79.3	12.6	8.3	79.3	12.6	10	13	10	10	13	10
CAB TYPE[4]												
Cab forward of engine	3.9	129.2	33.2	3.7	126.0	34.6	11	14	11	12	14	11
Cab over engine	17.7	656.3	37.0	17.3	651.1	37.6	5	6	5	5	6	5
Short-hood conventional	30.2	539.1	17.9	29.4	533.0	18.1	4	6	5	4	6	5
Medium-hood conventional	41.9	567.4	13.6	41.2	561.5	13.6	3	5	4	3	5	4
Long-hood conventional	11.2	260.6	23.2	10.9	259.9	23.9	7	10	9	7	11	9
Cab beside engine	.5	4.7	10.5	.5	4.7	10.5	39	43	25	39	43	25
Other	65.0	651.4	10.0	6.6	60.1	7.0	22	28	16	41	16	42
Not reported	1,004.0	10,561.7	10.5	17.2	167.2	9.7	1	5	5	45	48	28
PICKUPS, PANELS, VANS, UTILITIES, AND STATION WAGONS												
Total	1,045.6	11,004.9	10.5	(Z)	(Z)	(Z)	1	5	4	(Z)	(Z)	(Z)
Pickups	674.9	6,736.3	10.0	(Z)	(Z)	(Z)	2	6	6	(Z)	(Z)	(Z)
Panels or vans	192.5	2,645.4	13.7	(Z)	(Z)	(Z)	9	13	9	(Z)	(Z)	(Z)
Utilities	73.7	671.8	9.1	(Z)	(Z)	(Z)	20	25	14	(Z)	(Z)	(Z)
Station wagons	104.5	951.8	9.1	(Z)	(Z)	(Z)	16	19	10	(Z)	(Z)	(Z)
Driving wheels	1,045.2	11,003.0	10.5	(Z)	(Z)	(Z)	1	5	4	(Z)	(Z)	(Z)
4-wheel drive	205.1	1,823.0	6.9	(Z)	(Z)	(Z)	13	16	9	(Z)	(Z)	(Z)
2-wheel drive	817.4	8,881.3	10.9	(Z)	(Z)	(Z)	3	6	5	(Z)	(Z)	(Z)
Front-wheel drive	22.6	298.7	13.2	(Z)	(Z)	(Z)	44	50	23	(Z)	(Z)	(Z)

[1]When no response was obtained for annual miles, data were imputed.
[2]Detail does not add to totals because items were not applicable or multiple responses were possible.
[3]When no response was obtained, one truck was imputed based on body type of sampled vehicle.
[4]Pickups, panels, and vans are not included.

Table 3. Trucks by Major Use: 1982

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Major use						
			Agriculture	Forestry and lumbering	Mining and quarrying	Construction	Manufacturing	Wholesale trade	Retail trade
1	Total	1,174.4	94.0	1.9	(S)	86.5	29.9	20.0	36.3
2	Relative standard error (percent)	(Z)	18.9	18.7	92.7	18.7	28.7	24.8	27.5
	BODY TYPE								
3	Pickup	874.9	59.1	(S)	(S)	41.4	(S)	(Z)	(S)
4	Panel or van	192.5	(S)	(Z)	(Z)	17.9	(S)	(S)	(S)
5	Utility	73.7	(S)	(S)	(Z)	(S)	(Z)	(Z)	(S)
6	Station wagon	104.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7	Multistop or walk-in	12.5	(S)	(Z)	(Z)	.4	(S)	1.1	.8
8	Platform with added devices	7.4	2.5	.4	(S)	1.7	.2	.5	1.0
9	Low boy or depressed center	1.6	(S)	(Z)	(Z)	.7	.2	(Z)	.3
10	Basic platform	30.3	11.7	.7	(S)	8.1	4.8	1.5	1.8
11	Livestock truck	.4	.3	(Z)	(Z)	(Z)	(Z)	(S)	(Z)
12	Insulated nonrefrigerated van	.9	(S)	(Z)	(Z)	(S)	(Z)	.5	(S)
13	Insulated refrigerated van	3.5	.3	(Z)	(Z)	(Z)	.4	2.1	.3
14	Drop-frame van	1.2	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)
15	Open-top van	.7	.3	(S)	(Z)	(Z)	(S)	(S)	(Z)
16	Basic enclosed van	24.9	.7	(S)	(Z)	.8	4.9	3.8	1.9
17	Beverage	2.5	(Z)	(Z)	(Z)	(Z)	.3	2.1	(S)
18	Public utility	4.0	(Z)	(Z)	(Z)	.6	(Z)	(Z)	(Z)
19	Winch or crane	1.4	(Z)	(S)	(Z)	.8	(S)	(Z)	(S)
20	Wrecker	3.1	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	.5
21	Pole or logging	.2	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)
22	Auto transport	3.3	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)
23	Service truck	3.9	(S)	(Z)	(S)	1.2	(Z)	(S)	(Z)
24	Yard tractor	.8	(Z)	(Z)	(Z)	(S)	.2	(S)	(S)
25	Oilfield truck	.3	(Z)	(Z)	(S)	(S)	(Z)	(Z)	(S)
26	Cargo container chassis	.3	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(S)
27	Grain body	1.4	1.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
28	Garbage hauler	1.9	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(Z)
29	Dump truck	15.4	1.5	(S)	(S)	10.1	.6	(S)	(S)
30	Tank truck (liquids or gases)	5.5	.4	(Z)	(Z)	.5	.5	.8	1.8
31	Tank truck (dry bulk)	.8	.2	(Z)	(S)	(S)	(S)	(S)	(S)
32	Concrete mixer	.8	(Z)	(Z)	(Z)	.7	(Z)	(Z)	(S)
33	Other	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
34	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	ANNUAL MILES[1]								
35	Less than 5,000	212.7	31.8	1.3	(S)	14.5	2.4	.9	1.9
36	5,000 to 9,999	341.4	(S)	(S)	(S)	19.8	(S)	2.3	(S)
37	10,000 to 19,999	467.4	49.3	.2	(S)	37.8	(S)	(S)	(S)
38	20,000 to 29,999	105.2	.4	(S)	(S)	(S)	(S)	(S)	12.2
39	30,000 to 49,999	25.8	.3	(S)	(Z)	1.0	1.7	2.3	(S)
40	50,000 to 74,999	15.5	.4	(S)	(Z)	.3	1.5	1.0	.5
41	75,000 or more	6.4	(S)	(Z)	(Z)	(S)	1.1	.7	(S)
	RANGE OF OPERATION								
42	Local	886.3	60.4	1.3	(S)	63.3	20.0	9.0	30.2
43	Short-range (Less than 201 miles)	144.3	(S)	(S)	(Z)	18.1	3.3	3.6	(S)
44	Long-range (201 miles or more)	52.8	(S)	(S)	(Z)	.3	1.2	(S)	(S)
45	Off-the-road	89.9	15.4	.5	(S)	(S)	(S)	(S)	(S)
46	Not reported	1.1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	BASE OF OPERATION								
	Percentage of miles traveled outside base-of-operation State:								
47	Less than 25 percent	895.9	79.9	1.7	.3	71.0	26.7	9.8	30.5
48	25 to 49 percent	42.5	(S)	(Z)	(Z)	(S)	.4	(S)	(S)
49	50 to 74 percent	44.5	(S)	(S)	(Z)	.7	.7	.5	.3
50	75 to 100 percent	29.2	(S)	(Z)	(S)	(S)	.7	.5	.3
51	Not reported	182.2	(S)	(S)	(S)	(S)	1.4	(S)	1.7
	VEHICLE SIZE								
52	Light	1,080.2	77.9	.7	(S)	73.8	20.2	10.0	25.5
53	Medium	34.8	9.6	.5	(Z)	3.1	1.6	2.3	(S)
54	Light-heavy	15.9	3.8	.3	(Z)	3.4	1.1	1.9	1.9
55	Heavy-heavy	43.5	2.9	.4	.1	6.1	7.0	5.8	2.4
	AVERAGE WEIGHT (POUNDS)								
56	Less than 8,001	1,003.7	70.3	.4	(S)	64.9	18.0	(S)	19.3
57	8,001 to 10,000	78.5	(S)	.3	(S)	(S)	2.2	2.4	(S)
58	10,001 to 14,000	21.8	(S)	(S)	(Z)	.8	.9	.5	(S)
59	14,001 to 18,000	5.7	1.2	(S)	(Z)	.7	.3	.9	.5
60	18,001 to 19,500	7.4	1.5	(S)	(Z)	1.6	.5	.9	.9
61	19,501 to 26,000	15.9	3.8	.3	(Z)	3.4	1.1	1.9	1.9
62	26,001 to 33,000	8.3	.9	(S)	(S)	1.0	1.5	1.2	1.0
63	33,001 to 40,000	8.5	.8	(Z)	(Z)	1.0	.7	1.6	.2
64	40,001 to 50,000	8.0	.8	.1	(S)	1.5	1.0	.9	.3
65	50,001 to 60,000	8.5	(S)	(Z)	(Z)	.7	.7	.8	(S)
66	60,001 to 80,000	10.6	.5	(S)	(S)	1.0	2.1	1.1	.7
67	80,001 to 100,000	1.8	(S)	(S)	(Z)	.2	.8	.3	(S)
68	100,001 to 130,000	.8	(Z)	(S)	(Z)	.2	(S)	(S)	(Z)
69	130,001 or more	1.8	(Z)	(Z)	(Z)	.5	.3	.2	(Z)
70	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Major use—Con.								Relative standard error of estimate (percent) for total	
For-hire transportation	Utilities	Services	Daily rental	Personal transportation	Other	Not in use	Not reported		
18.5	31.8	64.0	3.1	772.3	(S)	(S)	(Z)	(Z)	1
4.2	30.9	22.9	13.9	3.8	96.7	60.5	(Z)	(Z)	2
(Z)	(S)	36.8	(Z)	492.9	(Z)	(S)	(Z)	1.5	3
(Z)	(S)	17.5	(Z)	118.5	(S)	(Z)	(Z)	9.4	4
(S)	(S)	(S)	(Z)	58.1	(Z)	.3	(Z)	19.8	5
(Z)	(S)	(Z)	(Z)	101.0	(Z)	(Z)	(Z)	15.8	8
.5	(S)	.9	(S)	.3	(Z)	(S)	(Z)	45.8	7
.2	.3	(S)	(Z)	(S)	(Z)	(Z)	(Z)	9.0	8
.3	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	18.5	9
.9	.9	.8	(S)	.8	(S)	(S)	(Z)	15.4	10
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	40.7	11
(S)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	26.1	12
.3	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	12.2	13
.7	(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	21.3	14
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	31.0	15
8.8	.3	.8	2.5	(Z)	(S)	.4	(Z)	3.9	18
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13.9	17
(Z)	3.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	12.8	18
(S)	(S)	.3	(S)	(Z)	(Z)	(Z)	(Z)	20.0	19
.3	(Z)	2.1	(Z)	(Z)	(Z)	(S)	(Z)	14.9	20
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.9	21
3.0	(Z)	(S)	(S)	(Z)	(Z)	(S)	(Z)	10.4	22
(Z)	2.1	(S)	(Z)	(Z)	(Z)	(S)	(Z)	13.5	23
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	24.5	24
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.5	25
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	32.9	26
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.4	27
(S)	(S)	1.8	(Z)	(Z)	(Z)	(Z)	(Z)	15.4	28
(S)	.4	1.3	(S)	.3	(S)	(S)	(Z)	29.8	29
.7	(S)	.7	(Z)	(Z)	(Z)	(Z)	(Z)	9.3	30
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	24.8	31
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	18.5	32
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	77.2	33
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	34
.7	(S)	(S)	.4	136.8	(Z)	(S)	(Z)	11.8	35
1.0	(S)	15.6	1.3	257.7	(Z)	(S)	(Z)	9.0	36
2.8	14.1	21.7	.8	319.8	(S)	(Z)	(Z)	7.0	37
2.1	(S)	(S)	.2	45.8	(S)	(Z)	(Z)	17.8	38
2.4	(S)	1.0	.2	(S)	(S)	(Z)	(Z)	31.3	39
3.5	(S)	(S)	.2	(S)	(Z)	(Z)	(Z)	36.9	40
3.9	(Z)	.2	.3	(Z)	(Z)	(Z)	(Z)	7.2	41
5.5	21.5	46.1	2.4	621.7	(S)	(S)	(Z)	3.2	42
3.7	(S)	(S)	.8	77.1	(S)	(S)	(Z)	14.9	43
8.8	(Z)	(S)	(S)	24.0	(S)	(S)	(Z)	24.8	44
.4	.3	(S)	(S)	49.5	(Z)	(S)	(Z)	19.8	45
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1.1	(Z)	24.8	46
7.5	27.3	42.2	.9	592.6	(S)	(S)	(Z)	3.1	47
.5	(S)	(S)	(Z)	21.9	(Z)	(S)	(Z)	28.0	48
2.1	(S)	(S)	.7	35.5	(Z)	(Z)	(Z)	27.5	49
4.1	(Z)	(S)	(S)	(S)	(S)	(S)	(Z)	32.1	50
2.3	(S)	(S)	1.5	110.8	(Z)	.5	(Z)	14.0	51
.5	27.0	54.5	.9	772.0	(S)	(S)	(Z)	.7	52
1.5	1.9	(S)	1.0	.3	(S)	.4	(Z)	22.8	53
1.2	1.0	.9	.4	(Z)	(Z)	(S)	(Z)	5.8	54
13.3	1.9	2.8	.8	(Z)	(S)	(S)	(Z)	1.7	55
(S)	24.9	39.1	(S)	745.7	(Z)	(S)	(Z)	1.8	56
.4	2.1	15.4	.8	26.3	(S)	(S)	(Z)	18.1	57
.8	1.3	(S)	(S)	(S)	(Z)	(S)	(Z)	36.1	58
.8	(S)	.5	.7	(S)	(S)	(S)	(Z)	10.8	59
.3	.5	.5	(S)	(S)	(Z)	(S)	(Z)	9.2	60
1.2	1.0	.9	.4	(Z)	(Z)	(S)	(Z)	5.8	61
1.0	.9	.7	(S)	(Z)	(Z)	(S)	(Z)	7.4	62
1.1	.4	.5	.3	(Z)	(S)	(S)	(Z)	7.7	63
1.9	.4	.9	(S)	(Z)	(Z)	(Z)	(Z)	8.4	64
3.8	(S)	.4	(S)	(Z)	(Z)	(Z)	(Z)	7.0	65
4.5	.2	(S)	.3	(Z)	(Z)	(Z)	(Z)	5.2	66
.3	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	15.3	67
.1	(Z)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	24.8	68
.8	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	15.3	69
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	70

Table 3. **Trucks by Major Use: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Major use						
			Agriculture	Forestry and lumbering	Mining and quarrying	Construction	Manufacturing	Wholesale trade	Retail trade
	TOTAL LENGTH (FEET)								
1	Less than 7.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
2	7.0 to 9.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
3	10.0 to 12.9	67.3	(S)	(S)	(Z)	(S)	(S)	(S)	(S)
4	13.0 to 15.9	203.5	(S)	(S)	(S)	(S)	(S)	.3	.3
5	18.0 to 19.9	763.0	60.4	(S)	(S)	53.7	(S)	(S)	20.0
6	20.0 to 27.9	88.9	13.5	1.2	(S)	7.2	7.4	8.7	(S)
7	28.0 to 35.9	16.0	1.7	(S)	(S)	2.7	1.2	1.7	1.6
8	36.0 to 40.9	3.4	(S)	(Z)	(S)	1.0	.5	.5	.4
9	41.0 to 44.9	1.1	(S)	(S)	(Z)	.3	(S)	.3	(Z)
10	45.0 or more	29.2	.6	.1	(S)	2.7	5.2	3.6	1.3
11	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	YEAR MODEL								
12	1983	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
13	1982	29.9	(S)	(Z)	(Z)	.5	.4	(S)	(S)
14	1981	71.3	(S)	(Z)	(S)	(S)	(S)	.9	.3
15	1980	46.8	.8	(S)	(Z)	1.2	(S)	1.3	.6
16	1979	183.3	18.6	(S)	(Z)	(S)	(S)	2.5	(S)
17	1976	183.6	(S)	(S)	(Z)	(S)	2.0	2.2	(S)
18	1977	113.8	(S)	(S)	(S)	(S)	1.1	1.0	(S)
19	1976	112.4	.3	(S)	(Z)	(S)	.4	.9	.9
20	1975	49.4	(S)	(S)	(Z)	(S)	1.0	1.1	.6
21	1974	91.3	(S)	(Z)	(S)	(S)	1.1	1.0	.9
22	1973	60.9	(S)	(S)	(Z)	(S)	1.2	.9	.6
23	Pre-1973	227.0	27.6	1.3	(S)	20.0	(S)	(S)	1.6
24	Not reported	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	VEHICLE ACQUISITION								
25	Purchased new	648.4	67.1	.2	(S)	32.4	17.4	13.0	17.7
26	Purchased used	511.3	26.7	1.7	(S)	50.1	(S)	(S)	(S)
27	Leased from someone else	13.8	(Z)	(Z)	(S)	(S)	.3	.3	(S)
28	Not reported	.9	(S)	(Z)	(Z)	(S)	(S)	.3	(S)
	LEASE CHARACTERISTICS[2]								
29	Leased without driver	13.5	(Z)	(Z)	(S)	(S)	.3	.3	(S)
30	Leased with driver	(S)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
31	Leased with owner-operator	(S)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
32	Provisions of lease	9.9	(Z)	(Z)	(S)	.4	.3	.2	(S)
33	Financing (no maintenance)	(S)	(Z)	(Z)	(S)	.4	.3	.2	(S)
34	Financing (full maintenance)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
35	Other	.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.2
	OPERATOR CLASSIFICATION								
36	Not for hire: Private owner or individual	1,149.7	94.0	1.9	(S)	61.9	29.8	20.0	36.2
37	For hire	20.0	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(Z)
38	Motor carrier	15.0	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
39	Owner-operator	1.7	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(Z)
40	Daily rental	3.1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
41	Mixed—for hire/not for hire	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
42	For-hire interstate	9.7	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
43	Exempt carrier	1.4	(S)	(Z)	(Z)	(S)	(S)	.7	(S)
44	Contract carrier	.7	(Z)	(Z)	(Z)	(S)	(S)	(S)	(Z)
45	Common carrier	11.5	(S)	(Z)	(Z)	(S)	(S)	(S)	(Z)
46	For-hire intrastate	2.8	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
47	For-hire local	4.7	(S)	(Z)	(Z)	(S)	(S)	(S)	(S)
	PRODUCTS CARRIED								
48	Farm products	40.7	39.3	(Z)	(Z)	(S)	(S)	.8	(S)
49	Live animals	(S)	(S)	(Z)	(Z)	(Z)	(Z)	.2	(S)
50	Mining products	.4	(Z)	(Z)	(S)	(S)	(S)	(S)	(S)
51	Logs and other forest products	(S)	(S)	1.1	(Z)	(S)	(Z)	(S)	(Z)
52	Lumber and fabricated wood products	3.0	(Z)	.3	(Z)	.9	.3	(S)	1.0
53	Processed foods	17.7	.6	(Z)	(Z)	(Z)	1.3	13.7	1.2
54	Textile mill products	(S)	(Z)	(Z)	(Z)	(S)	(S)	(S)	.4
55	Building materials	22.7	.3	(S)	(S)	18.7	.2	.7	.9
56	Household goods	2.7	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(S)
57	Furniture or hardware	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)
58	Paper products	(S)	(Z)	(Z)	(Z)	(S)	.5	.3	(Z)
59	Chemicals	(S)	1.1	(Z)	(Z)	(S)	.5	.3	.3
60	Petroleum	7.5	(S)	(Z)	(Z)	.3	.4	.6	(S)
61	Plastics and/or rubber	1.4	(S)	(Z)	(Z)	(S)	.5	(S)	(S)
62	Primary metal products	2.2	(Z)	(Z)	(S)	(S)	1.2	.4	(S)
63	Fabricated metal products	14.1	(Z)	(S)	(Z)	.6	(S)	.3	.3
64	Machinery, elect or nonelect	11.9	(S)	(Z)	(S)	1.8	.7	(S)	(S)
65	Transportation equipment	14.5	(S)	(Z)	(Z)	(S)	.9	.4	.9
66	Scrap, refuse, or garbage	8.6	(S)	(S)	(Z)	.9	1.2	(S)	(Z)
67	Mixed cargoes	27.3	(Z)	(Z)	(S)	(S)	(S)	.3	(S)
68	Craftsman's equipment	74.1	(S)	(S)	(S)	29.5	(S)	.3	.4
69	Personal transportation	772.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
70	No load carried	78.3	32.1	(S)	(Z)	24.5	(S)	(S)	(S)
71	Not in use	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
72	Other	15.5	(S)	(Z)	(Z)	.3	.2	(S)	(S)
73	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Major use—Con.								Relative standard error of estimate (percent) for total	
For-hire transportation	Utilities	Services	Daily rental	Personal transportation	Other	Not in use	Not reported		
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	2
(S)	(S)	.4	(Z)	42.0	(Z)	.3	(Z)	23.4	3
(S)	(S)	(S)	(S)	160.4	(Z)	(S)	(Z)	12.4	4
.5	17.3	44.9	(S)	537.2	(S)	(S)	(Z)	3.9	5
1.2	3.8	3.3	1.3	32.7	(S)	.3	(Z)	15.5	6
1.0	.9	(S)	.7	(Z)	(Z)	(S)	(Z)	25.6	7
.4	.2	(S)	(S)	(S)	(Z)	(Z)	(Z)	11.6	8
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	20.6	9
13.2	.8	.7	.9	(Z)	(S)	(S)	(Z)	1.9	10
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	11
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	12
.2	(S)	(S)	(S)	(S)	(S)	(Z)	(Z)	34.7	13
1.0	(S)	(S)	.2	42.1	(S)	(S)	(Z)	23.0	14
1.4	.9	(S)	(S)	29.6	(Z)	(Z)	(Z)	27.3	15
2.1	(S)	(S)	.5	114.8	(Z)	(Z)	(Z)	13.2	16
2.4	(S)	1.2	.9	142.2	(Z)	(Z)	(Z)	13.0	17
2.5	(S)	(S)	.5	66.7	(S)	(Z)	(Z)	17.1	18
1.1	.3	(S)	(S)	91.2	(Z)	(Z)	(Z)	17.9	19
1.0	.4	1.0	.3	34.2	(Z)	(Z)	(Z)	26.1	20
1.1	1.1	1.4	(S)	68.5	(Z)	(S)	(Z)	19.8	21
1.8	.8	(S)	(S)	39.2	(Z)	(S)	(Z)	23.2	22
1.9	(S)	15.1	(S)	134.7	(S)	(S)	(Z)	11.4	23
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	99.1	24
13.0	30.1	42.0	2.8	404.0	(S)	.4	(Z)	5.1	25
3.1	.5	22.0	.3	368.1	(S)	(S)	(Z)	6.5	26
.4	1.2	(S)	(Z)	(S)	(Z)	(Z)	(Z)	43.5	27
(Z)	(S)	(S)	(S)	(S)	(Z)	(Z)	(Z)	26.3	28
.4	1.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.4	29
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	98.7	30
(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	70.2	31
.4	1.1	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	49.5	32
.3	1.0	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	51.5	33
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	34
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	37.2	35
									36
(S)	31.8	63.9	(Z)	772.3	(S)	(S)	(Z)	.4	
18.4	(Z)	(S)	3.1	(Z)	(S)	.2	(Z)	4.0	37
14.8	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(Z)	4.4	38
1.8	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	16.6	39
(Z)	(Z)	(Z)	3.1	(Z)	(Z)	(Z)	(Z)	13.9	40
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	60.3	41
9.5	(Z)	(Z)	(S)	(Z)	(Z)	(S)	(Z)	5.5	42
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	21.2	43
.3	(Z)	(S)	(Z)	(Z)	(Z)	(S)	(Z)	25.3	44
10.8	(Z)	(S)	(Z)	(Z)	(Z)	(S)	(Z)	5.3	45
2.8	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	12.2	46
3.9	(Z)	(S)	(Z)	(Z)	(S)	(S)	(Z)	10.4	47
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	26.6	48
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	50.1	49
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	38.2	50
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	61.1	51
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	14.6	52
.7	(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	28.0	53
(S)	(Z)	.4	(Z)	(Z)	(Z)	(Z)	(Z)	78.2	54
.3	.4	.8	(S)	(Z)	(Z)	(Z)	(Z)	28.4	55
.9	(Z)	(S)	1.4	(Z)	(Z)	(Z)	(Z)	15.6	56
(S)	(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	62.6	57
(S)	(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	62.3	58
.4	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	51.5	59
.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	46.9	60
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	21.7	61
.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	14.7	62
.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	40.7	63
.3	(S)	.3	(S)	(Z)	(Z)	(Z)	(Z)	48.3	64
4.9	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	31.6	65
(S)	.4	3.7	(S)	(Z)	(S)	(Z)	(Z)	8.7	66
6.7	.4	(S)	1.0	(Z)	(Z)	(Z)	(Z)	32.9	67
(S)	26.2	16.9	(S)	(Z)	(Z)	(Z)	(Z)	21.1	68
(Z)	(Z)	(Z)	(Z)	772.3	(Z)	(Z)	(Z)	3.8	69
(Z)	(S)	(S)	(S)	(Z)	(Z)	(S)	(Z)	22.3	70
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	70.9	71
.4	(S)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	44.5	72
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	73

Table 3. **Trucks by Major Use: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Major use						
			Agriculture	Forestry and lumbering	Mining and quarrying	Construction	Manufacturing	Wholesale trade	Retail trade
	HAZARDOUS MATERIALS CARRIED								
1	Hazardous materials carried	9.9	(S)	(S)	(S)	.3	1.1	.9	2.1
2	Less than 25 percent of time	5.4	(S)	(S)	(Z)	(S)	.6	(S)	(Z)
3	25 to 49 percent of time	1.9	(S)	(Z)	(S)	(S)	(S)	.3	.8
4	50 to 74 percent of time	.3	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(S)
5	75 to 100 percent of time	2.4	(S)	(Z)	(Z)	(S)	.3	.4	1.2
6	No percent reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7	Types of hazardous materials	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
8	Flammables or combustibles	8.7	(S)	(S)	(S)	(S)	.9	.7	2.1
9	Acids, poisons, caustics, etc.	4.1	(Z)	(Z)	(S)	(Z)	.2	.2	(Z)
10	Explosives	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)
11	Radioactive materials	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
12	Hazardous waste	.4	(Z)	(Z)	(Z)	(S)	(Z)	(S)	(Z)
13	Hazardous materials not listed above	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(S)	(Z)
14	Not reported	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)
15	No hazardous materials carried	627.0	93.0	1.7	(S)	85.9	28.4	18.5	33.8
16	Not reported	537.5	.8	(S)	(Z)	.4	.3	.8	.4
	TRUCK FLEET SIZE[3]								
17	1	968.4	74.1	.9	(S)	41.0	21.7	10.0	25.9
18	2 to 5	66.2	8.6	.7	(S)	10.4	2.7	2.4	3.5
19	8 to 19	58.0	(S)	(S)	(S)	14.6	1.9	3.1	(S)
20	20 or more	81.8	.5	(S)	(S)	20.5	3.7	4.4	1.3
	MILES PER GALLON								
21	Less than 5	24.9	1.6	.2	(S)	3.1	3.5	3.5	1.7
22	5 to 6.9	45.3	3.3	.5	(S)	9.2	3.3	4.7	2.8
23	7 to 8.9	91.4	16.4	.3	(Z)	4.2	2.5	2.4	(S)
24	9 to 11.9	311.3	30.8	.3	(Z)	24.5	(S)	1.5	13.7
25	12 to 14.9	310.2	(S)	(S)	(S)	26.5	(S)	(S)	(S)
26	15 to 19.9	252.9	29.7	(S)	(Z)	(S)	(S)	(S)	(S)
27	20 or more	54.7	(S)	(Z)	(S)	(Z)	(S)	(Z)	(Z)
28	Not reported	83.6	1.6	(S)	(S)	(S)	1.5	.7	1.2
	EQUIPMENT TYPE								
29	Transmission	1,174.4	94.0	1.9	(S)	86.5	29.9	20.0	36.3
30	Manual	424.8	53.6	1.8	.4	43.3	14.8	10.7	10.9
31	Automatic	730.2	39.7	(Z)	(S)	42.8	(S)	(S)	24.9
32	Not reported	19.4	.7	(S)	(Z)	.5	.6	.3	.6
33	Braking system	1,174.4	94.0	1.9	(S)	86.5	29.9	20.0	36.3
34	Hydraulic	32.4	6.1	.9	(S)	5.9	2.4	2.3	2.6
35	Hydraulic (power)	1,097.1	84.9	.5	(S)	74.9	20.8	11.9	31.0
36	Air	38.9	2.1	.4	(S)	5.1	6.0	5.5	2.1
37	Not reported	6.0	.9	(S)	(Z)	.7	.7	.3	.7
38	Power steering[2]	855.9	67.7	.7	(S)	61.8	20.8	17.0	29.1
39	Air conditioning[2]	288.8	(S)	(Z)	(Z)	.6	15.0	(S)	(S)
40	Engine retarder[2]	2.4	.3	(Z)	(Z)	.5	.3	.4	(S)
41	Reflective materials[2]	13.9	1.0	(S)	(S)	1.1	1.6	1.2	.6
	FUEL CONSERVATION EQUIPMENT[2]								
42	Aerodynamic features	5.9	(S)	(S)	(Z)	.5	1.1	.6	.3
43	Axle or drive ratio	18.8	2.4	(S)	(Z)	2.5	2.3	2.2	1.3
44	Fuel economy engine	11.9	.7	(S)	(S)	1.3	1.4	1.1	.6
45	Radial tires	402.8	21.5	.2	(S)	27.0	15.7	(S)	15.7
46	Road speed governor	26.7	2.6	.3	(S)	4.3	3.4	3.7	2.1
47	Variable fan drives	16.8	.8	.1	(Z)	1.5	2.3	1.3	1.1
48	Other fuel conservation devices	2.8	(S)	(S)	(Z)	.5	.5	.3	.2
49	Not reported	741.6	68.3	1.2	(S)	53.4	11.0	9.7	17.8
	MAINTENANCE								
	General maintenance:								
50	Owner	781.1	74.3	1.3	(S)	43.9	2.6	(S)	17.2
51	Company's maintenance facilities	104.6	(S)	.4	(S)	27.3	10.3	5.1	3.1
52	Dealership's service department	118.6	(S)	(S)	(S)	2.1	(S)	1.7	1.9
53	Leasing company	(S)	(S)	(Z)	(Z)	(S)	.2	(S)	(S)
54	Independent garage	239.7	14.1	.5	(S)	24.9	(S)	4.4	18.3
55	Component distributorship	(S)	(Z)	(S)	(Z)	(S)	(S)	(Z)	(S)
56	Other	(S)	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)
57	Not reported	59.6	1.3	(S)	(Z)	.7	.9	(S)	.9
	Major overhauls:								
58	Owner	265.7	15.0	.6	(S)	(S)	.5	.5	.4
59	Company's maintenance facilities	58.4	(S)	(S)	(S)	9.5	3.3	2.9	1.5
60	Dealership's service department	144.6	1.3	(S)	(S)	(S)	(S)	(S)	2.1
61	Leasing company	(S)	(S)	(Z)	(Z)	(S)	(S)	(Z)	(S)
62	Independent garage	234.1	(S)	.3	(S)	27.1	(S)	3.7	17.2
63	Component distributorship	1.4	(S)	(S)	(Z)	(S)	.4	(S)	.2
64	Other	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	(S)
65	Not reported	501.7	64.5	.9	(S)	35.5	(S)	(S)	(S)

See footnotes at end of table.

Major use—Con.								Relative standard error of estimate (percent) for total	
For-hire transportation	Utilities	Services	Daily rental	Personal transportation	Other	Not in use	Not reported		
5.0	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	8.3	1
4.4	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	8.0	2
.2	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	17.2	3
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	42.7	4
.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13.8	5
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	8
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	7
4.6	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	8.8	8
3.7	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.2	9
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	52.0	10
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	89.4	11
.2	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	31.2	12
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	56.9	13
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	89.8	14
11.2	28.2	60.1	3.0	245.5	(S)	(S)	(Z)	5.3	15
.3	(S)	(S)	(S)	528.8	(Z)	.3	(Z)	8.2	18
2.9	(S)	46.5	2.1	742.2	(S)	(S)	(Z)	2.0	17
.9	.4	(S)	(S)	30.1	(Z)	(S)	(Z)	19.5	18
1.8	(S)	2.0	(S)	(S)	(S)	(S)	(Z)	22.0	19
10.9	9.9	(S)	.8	(Z)	(S)	.2	(Z)	16.9	20
7.2	2.3	1.5	(S)	(S)	(Z)	(S)	(Z)	3.7	21
6.3	1.9	2.7	1.2	(S)	(S)	(S)	(Z)	17.4	22
1.0	1.1	(S)	.3	51.3	(S)	(Z)	(Z)	18.5	23
.5	(S)	28.6	1.4	194.8	(S)	(S)	(Z)	9.5	24
(S)	(S)	(S)	(Z)	241.7	(Z)	(S)	(Z)	9.4	25
(Z)	(S)	(S)	(Z)	191.3	(Z)	(S)	(Z)	11.2	26
(S)	(Z)	(Z)	(Z)	41.0	(Z)	(Z)	(Z)	27.8	27
1.3	(S)	(S)	.2	42.8	(Z)	(S)	(Z)	20.3	28
16.5	31.8	64.0	3.1	772.3	(S)	(S)	(Z)	(Z)	29
15.2	10.3	29.3	2.7	222.4	(S)	(S)	(Z)	7.1	30
.5	18.0	30.8	.3	541.7	(S)	(S)	(Z)	4.2	31
.7	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	38.7	32
16.5	31.8	64.0	3.1	772.3	(S)	(S)	(Z)	(Z)	33
1.0	2.5	3.3	1.6	3.0	(Z)	.8	(Z)	3.7	34
1.7	28.1	57.7	.7	768.8	(S)	(S)	(Z)	.1	35
13.1	1.1	2.3	.5	(S)	(S)	.4	(Z)	1.7	36
.7	(S)	.7	(S)	.8	(Z)	(S)	(Z)	9.9	37
9.2	16.1	44.6	.6	579.8	(S)	.3	(Z)	3.4	38
5.2	(S)	21.1	.2	223.5	(S)	(S)	(Z)	9.3	39
.4	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	14.7	40
1.9	3.3	1.3	1.4	(S)	(Z)	(S)	(Z)	8.2	41
1.9	(S)	(S)	1.1	(Z)	(Z)	(Z)	(Z)	9.2	42
4.0	.7	1.3	1.5	(S)	(Z)	(S)	(Z)	5.0	43
4.0	.3	.9	1.5	(Z)	(Z)	(Z)	(Z)	5.8	44
8.9	(S)	31.5	.3	266.4	(S)	(S)	(Z)	7.7	45
4.7	1.3	2.2	1.8	(S)	(Z)	(S)	(Z)	3.9	46
8.2	.5	1.1	1.5	(Z)	(S)	(S)	(Z)	4.6	47
.7	.5	(S)	(S)	(Z)	(Z)	(Z)	(Z)	12.9	48
4.0	21.2	30.3	1.2	505.8	(S)	(S)	(Z)	4.2	49
2.0	.6	29.5	.3	594.8	(Z)	(S)	(Z)	3.8	50
11.0	18.0	11.7	2.8	(Z)	(S)	(S)	(Z)	14.3	51
.7	(S)	(S)	(S)	80.5	(Z)	(S)	(Z)	16.1	52
.6	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	60.8	53
1.9	(S)	(S)	(S)	139.1	(S)	(S)	(Z)	11.1	54
(S)	(Z)	(Z)	(S)	(S)	(Z)	(Z)	(Z)	91.4	55
(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	(Z)	83.3	56
1.6	(S)	(S)	.2	40.7	(Z)	.4	(Z)	23.2	57
.4	(S)	(S)	(S)	234.7	(Z)	.3	(Z)	10.7	58
8.3	12.2	(S)	2.2	(Z)	(S)	(S)	(Z)	17.9	59
2.4	(S)	(S)	(S)	88.4	(S)	(S)	(Z)	14.7	60
.5	(Z)	(S)	(Z)	(S)	(Z)	(S)	(Z)	78.1	61
3.0	(S)	25.1	.3	128.4	(S)	(S)	(Z)	11.2	62
.2	(Z)	.3	(S)	(Z)	(Z)	(Z)	(Z)	16.7	63
(S)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	55.7	64
2.4	(S)	17.2	.4	338.9	(Z)	.8	(Z)	6.6	65

Table 3. **Trucks by Major Use: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Major use						
			Agriculture	Forestry and lumbering	Mining and quarrying	Construction	Manufacturing	Wholesale trade	Retail trade
	ENGINE TYPE AND SIZE								
1	Engine	t,t74.4	94.0	t.9	(S)	86.5	29.9	20.0	38.3
2	Gasoline	1,tt6.6	88.0	1.7	(S)	77.8	24.0	15.4	33.7
3	Diesel	52.4	(S)	.2	(S)	(S)	5.9	4.5	t.7
4	LP gas or other	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	.9
5	Not reported	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)
6	Cylinders	t,174.4	94.0	1.9	(S)	86.5	29.9	20.0	36.3
7	4	5t.2	(S)	(S)	(Z)	(S)	(S)	(S)	(Z)
8	6	267.7	27.1	.5	(S)	12.0	4.5	3.5	(S)
9	8	850.8	66.8	t.2	.3	69.7	20.6	t2.9	27.2
t0	Other	(S)	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(Z)
11	Not reported	(S)	(S)	(Z)	(Z)	(S)	(S)	(S)	(S)
t2	Cubic inch displacement	1,174.3	94.0	1.9	(S)	86.5	29.9	20.0	36.3
t3	Gasoline engines	t,tt6.6	88.0	1.7	(S)	77.8	24.0	15.4	33.7
14	Less than 200	49.t	(S)	(S)	(Z)	(S)	(S)	(Z)	(Z)
15	200 to 299	123.0	16.3	.4	(Z)	1.7	.8	.4	.5
16	300 to 349	311.4	19.8	(S)	(S)	13.6	1.0	(S)	(S)
t7	350 to 399	477.1	43.7	.8	(S)	50.9	11.7	5.4	19.0
18	400 or more	85.6	1.7	(S)	(Z)	1.9	(S)	1.5	(S)
19	Not reported	70.4	(S)	(S)	(S)	(S)	.5	.3	.7
20	Diesel engines	52.4	(S)	.2	(S)	(S)	5.9	4.5	1.7
21	Less than 400	18.4	(S)	(S)	(Z)	(S)	.4	.5	.1
22	400 to 599	18.8	.4	(S)	(S)	.9	2.1	1.2	.7
23	600 to 799	5.8	(S)	(S)	(Z)	1.2	.8	1.1	.4
24	800 or more	11.0	.4	(S)	(Z)	1.0	2.0	1.4	.4
25	Not reported	2.5	.2	(S)	(Z)	.4	.6	.3	(S)
26	Other engines	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	.9
27	Less than 400	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	.7
28	400 or more	.3	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)
29	Not reported	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)
30	Horsepower	1,174.3	94.0	1.9	(S)	86.5	29.9	20.0	36.3
31	Gasoline engines	1,116.6	88.0	1.7	(S)	77.8	24.0	t5.4	33.7
32	Less than 100	43.2	(S)	(Z)	(Z)	(S)	(S)	(S)	(Z)
33	100 to 199	803.0	69.4	1.0	(S)	54.9	t2.2	12.6	23.0
34	200 to 249	166.4	(S)	.4	(S)	(S)	(S)	2.4	(S)
35	250 or more	33.6	(S)	(Z)	(Z)	.6	(S)	(S)	(S)
36	Not reported	70.3	(S)	.3	(S)	(S)	.5	.3	.8
37	Diesel engines	52.4	(S)	.2	(S)	(S)	5.9	4.5	1.7
38	Less than 250	28.2	(S)	.1	(S)	(S)	2.0	1.9	.8
39	250 to 349	11.8	.5	(S)	(S)	t.2	2.t	1.3	.8
40	350 to 449	5.3	(S)	(Z)	(Z)	.7	1.4	t.0	.2
4t	450 or more	.7	(S)	(Z)	(Z)	.2	(S)	(Z)	(S)
42	Not reported	(S)	.2	(S)	(Z)	.3	.4	.2	(S)
43	Other engines	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	.9
44	Less than 250	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	.8
45	250 or more	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)
46	Not reported	(S)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(S)
	TRUCK TYPE AND AXLE ARRANGEMENT								
47	Single-unit trucks	t,130.6	93.1	1.7	(S)	82.5	24.2	t5.5	30.t
48	2 axles	1,123.4	91.6	1.6	(S)	80.0	23.5	15.0	29.7
49	3 axles	6.2	1.3	(S)	(S)	1.8	.6	.4	.2
50	4 axles or more	t.0	.t	(S)	(Z)	.7	(S)	(Z)	(S)
5t	Combinations	43.7	.8	.2	(S)	4.1	5.7	4.6	(S)
52	Single-unit truck with trailer	13.5	(S)	(S)	(Z)	1.7	.3	(S)	(S)
53	3 axles	.3	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(Z)
54	4 axles	(S)	(S)	(S)	(Z)	.6	(S)	(S)	(S)
55	5 axles or more	2.4	(S)	(S)	(Z)	1.1	(S)	(Z)	(S)
56	Truck-tractor with single trailer	28.6	.6	.1	(S)	1.8	5.2	4.2	1.6
57	3 axles	2.9	(S)	(Z)	(Z)	.2	.4	1.0	.2
58	4 axles	8.4	(S)	(S)	(Z)	.5	t.4	1.4	.6
59	5 axles or more	t7.3	.5	(S)	(S)	1.1	3.4	1.8	.8
60	Truck-tractor with double trailers	1.6	(Z)	(Z)	(Z)	.5	.2	.3	(Z)
6t	5 axles	.2	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)
62	6 axles	.2	(Z)	(Z)	(Z)	(S)	(S)	(Z)	(Z)
83	7 axles or more	t.2	(Z)	(Z)	(Z)	.4	(S)	.3	(Z)
64	Truck-tractor with triple trailers	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
65	7 axles	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
66	8 axles or more	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
67	Trailer not specified	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
68	Powered axles	1,t74.4	94.0	t.9	(S)	86.5	29.9	20.0	36.3
69	t	929.3	70.2	1.6	(S)	73.6	25.7	t7.5	22.0
70	2	237.9	23.2	.2	(S)	11.7	3.8	2.3	(S)
7t	3 or more	.9	(Z)	(Z)	(Z)	.6	(Z)	(S)	(S)
72	Not reported	6.3	.5	(S)	(Z)	.6	.4	.3	.5
	CAB TYPE[4]								
73	Cab forward of engine	3.9	.8	(S)	(Z)	.6	.3	.2	(S)
74	Cab over engine	17.7	t.3	(S)	(Z)	1.9	2.6	2.4	t.8
75	Short-hood conventional	30.2	2.9	.3	(S)	4.6	3.3	5.1	2.4
78	Medium-hood conventional	41.9	6.9	t.2	(S)	8.4	5.2	3.8	3.4
77	Long-hood conventional	1t.2	2.5	(S)	(S)	2.7	.6	.7	.8
78	Cab beside engine	.5	(Z)	(Z)	(Z)	(S)	(Z)	(S)	(S)
79	Other	85.0	.6	(S)	(S)	t.3	.4	.5	.8
80	Not reported	t,004.0	78.8	(Z)	(S)	66.9	t7.4	(S)	26.9

See footnotes at end of table.

Major use—Con.								Relative standard error of estimate (percent) for total	
For-hire transportation	Utilities	Services	Daily rental	Personal transportation	Other	Not in use	Not reported		
16.5	31.6	64.0	3.1	772.3	(S)	(S)	(Z)	(Z)	1
3.6	27.5	62.0	2.0	763.3	(S)	(S)	(Z)	.9	2
12.9	.6	1.8	1.1	(S)	(S)	(S)	(Z)	17.1	3
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	66.0	4
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	77.2	5
16.5	31.6	64.0	3.1	772.3	(S)	(S)	(Z)	(Z)	6
(S)	(Z)	(S)	(S)	41.1	(Z)	.3	(Z)	28.0	7
10.4	(S)	14.0	.9	160.0	(S)	(S)	(Z)	10.3	8
5.9	19.2	49.6	2.2	571.0	(S)	.8	(Z)	3.5	9
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	53.2	10
(S)	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	76.4	11
16.5	31.6	63.9	3.1	772.3	(S)	(S)	(Z)	(Z)	12
3.6	27.5	62.0	2.0	763.3	(S)	(S)	(Z)	.9	13
(Z)	(Z)	(S)	(Z)	39.4	(Z)	(S)	(Z)	28.7	14
.4	(S)	(S)	(S)	62.5	(Z)	(S)	(Z)	16.6	15
.4	(S)	(S)	1.2	233.2	(Z)	(S)	(Z)	9.6	16
1.6	4.9	30.3	.6	307.3	(Z)	.4	(Z)	6.9	17
.6	.5	(S)	(Z)	58.7	(S)	(S)	(Z)	19.7	18
(S)	(S)	(S)	(Z)	42.1	(Z)	(S)	(Z)	22.8	19
12.9	.6	1.6	1.1	(S)	(S)	(S)	(Z)	17.1	20
.9	(Z)	(S)	(S)	(S)	(Z)	(S)	(Z)	47.5	21
5.9	.2	.4	.2	(S)	(Z)	(Z)	(Z)	27.2	22
1.0	.2	.7	(S)	(Z)	(Z)	(S)	(Z)	7.8	23
4.5	.2	.4	.6	(Z)	(S)	(S)	(Z)	5.0	24
.6	(Z)	.1	.1	(Z)	(S)	(Z)	(Z)	12.0	25
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	66.0	26
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	69.7	27
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	40.9	28
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	98.2	29
16.5	31.6	63.9	3.1	772.3	(S)	(S)	(Z)	(Z)	30
3.6	27.5	62.0	2.0	763.3	(S)	(S)	(Z)	.9	31
(S)	(S)	(S)	(Z)	30.3	(Z)	(Z)	(Z)	30.4	32
1.5	18.4	45.7	1.9	553.5	(Z)	(S)	(Z)	3.8	33
1.5	.9	(S)	(S)	113.4	(S)	(S)	(Z)	13.9	34
.2	(S)	(S)	(Z)	24.0	(S)	(S)	(Z)	33.6	35
(S)	(S)	(S)	(Z)	42.0	(Z)	(S)	(Z)	22.8	36
12.9	.6	1.8	1.1	(S)	(S)	(S)	(Z)	17.1	37
5.7	.3	1.1	.4	(S)	(S)	(S)	(Z)	27.7	38
5.2	.1	.4	.3	(Z)	(Z)	(Z)	(Z)	4.8	39
1.4	(S)	.2	.3	(Z)	(S)	(Z)	(Z)	7.9	40
.1	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	23.2	41
.4	(S)	(S)	.1	(S)	(Z)	(Z)	(Z)	71.0	42
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	66.0	43
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	68.3	44
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	99.3	45
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	77.2	46
3.0	30.0	58.6	2.2	772.2	(S)	(S)	(Z)	.6	47
2.5	29.6	57.7	2.2	772.2	(S)	(S)	(Z)	.6	48
.4	.1	.9	(S)	(Z)	(Z)	(S)	(Z)	6.6	49
(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	16.1	50
13.5	1.6	(S)	.9	(S)	(S)	.1	(Z)	14.7	51
(S)	1.5	(S)	(S)	(S)	(S)	(S)	(Z)	47.5	52
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	46.7	53
(Z)	.5	(S)	(Z)	(S)	(S)	(Z)	(Z)	59.3	54
(S)	.6	(S)	(S)	(S)	(Z)	(S)	(Z)	15.1	55
12.6	.4	.8	.9	(Z)	(S)	(S)	(Z)	1.7	56
1.0	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	11.3	57
3.5	.2	.2	.4	(Z)	(S)	(S)	(Z)	6.0	58
6.3	.2	.4	.5	(Z)	(S)	(S)	(Z)	3.4	59
.6	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15.0	60
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	49.3	61
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	40.2	62
.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	17.4	63
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	64
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	65
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	66
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	67
16.5	31.6	64.0	3.1	772.3	(S)	(S)	(Z)	(Z)	68
9.4	29.1	48.1	1.2	613.5	(S)	(S)	(Z)	2.8	69
6.6	.9	(S)	.6	158.8	(S)	.4	(Z)	11.0	70
.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	19.6	71
.3	1.8	.4	1.3	(Z)	(Z)	(Z)	(Z)	10.0	72
1.4	(Z)	(S)	.2	(S)	(Z)	(Z)	(Z)	11.3	73
5.3	.2	1.1	.5	(S)	(Z)	.4	(Z)	4.7	74
4.3	1.9	2.8	1.6	.5	(S)	.4	(Z)	3.9	75
3.1	5.1	3.2	.6	.7	(S)	(S)	(Z)	3.1	76
1.6	(S)	1.3	(S)	.3	(Z)	(S)	(Z)	7.0	77
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	39.1	78
(S)	(S)	(S)	(S)	33.3	(S)	(S)	(Z)	21.8	79
.4	17.2	42.6	(S)	737.2	(Z)	(S)	(Z)	1.4	80

Table 3. **Trucks by Major Use: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Major use						
			Agriculture	Forestry and lumbering	Mining and quarrying	Construction	Manufacturing	Wholesale trade	Retail trade
	PICKUPS, PANELS, VANS, UTILITIES, AND STATION WAGONS								
1	Total	1,045.6	69.6	(S)	(S)	62.8	17.1	(S)	26.9
2	Pickups	674.9	59.1	(S)	(S)	41.4	(S)	(S)	(S)
3	Panels or vans	192.5	(S)	(Z)	(Z)	17.9	(S)	(S)	(S)
4	Utilities	73.7	(S)	(S)	(Z)	(S)	(Z)	(S)	(S)
5	Station wagons	104.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
6	Driving wheels	1,045.2	69.6	(S)	(S)	62.8	17.1	(S)	26.9
7	4-wheel drive	205.1	21.6	(Z)	(Z)	(S)	(Z)	(Z)	(S)
8	2-wheel drive	817.4	48.0	(S)	(S)	54.8	(S)	(S)	14.4
9	Front-wheel drive	22.6	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)

NOTE: Because the sample is designed to measure the number of trucks and not all of the specific vehicular and operational characteristics of those trucks, some data cells may have high relative standard errors of estimate (RSEs). For Michigan, 57.9 of the cells have RSEs greater than 10 percent. and 43.7 of the cells have RSEs greater than 25 percent.

[1]When no response was obtained for annual miles data were imputed.
[2]Detail does not add to totals because items were not applicable or multiple responses were possible.
[3]When no response was obtained, one truck was imputed based on body type of sampled vehicle.
[4]Pickups, panels, and vans are not included.

Major use—Con.								Relative standard error of estimate (percent) for total	
For-hire transportation	Utilities	Services	Daily rental	Personal transportation	Other	Not in use	Not reported		
(S)	24.2	54.2	(Z)	770.6	(S)	(S)	(Z)	.8	1
(S)	(S)	36.6	(Z)	492.9	(S)	(S)	(Z)	1.5	2
(S)	(S)	17.5	(Z)	116.5	(S)	(S)	(Z)	9.4	3
(S)	(S)	(S)	(Z)	58.1	(Z)	.3	(Z)	19.8	4
(Z)	(S)	(Z)	(Z)	101.0	(Z)	(Z)	(Z)	15.8	5
(Z)	24.2	54.2	(Z)	770.4	(S)	(S)	(Z)	.8	6
(Z)	(Z)	(S)	(Z)	149.4	(Z)	(Z)	(Z)	12.5	7
(Z)	24.2	40.7	(Z)	602.8	(Z)	(Z)	(Z)	3.4	8
(Z)	(Z)	(Z)	(Z)	18.1	(Z)	(Z)	(Z)	44.1	9

Table 4. Trucks by Vehicle Size: 1982

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Vehicle size				Relative standard error of estimate (percent) for total
		Light	Medium	Light-heavy	Heavy-heavy	
Total	1,174.4	1,080.2	34.8	15.9	43.5	(Z)
Relative standard error (percent)	(Z)	.7	22.8	5.6	1.7	(Z)
MAJOR USE						
Agriculture	94.0	77.9	9.6	3.6	2.9	18.9
Forestry and lumbering	1.9	.7	.5	.3	.4	18.7
Mining and quarrying	(S)	(S)	(Z)	(Z)	.1	92.7
Construction	86.5	73.8	3.1	3.4	8.1	18.7
Manufacturing	29.9	20.2	1.6	1.1	7.0	28.7
Wholesale trade	20.0	10.0	2.3	1.9	5.8	24.8
Retail trade	36.3	25.5	(S)	1.9	2.4	27.5
For-hire transportation	18.5	.5	1.5	1.2	13.3	4.2
Utilities	31.6	27.0	1.9	1.0	1.9	30.9
Services	64.0	54.5	(S)	.9	2.6	22.9
Daily rental	3.1	.9	1.0	.4	.8	13.9
Personal transportation	772.3	772.0	.3	(Z)	(Z)	3.8
Other	(S)	(S)	(S)	(Z)	(S)	96.7
Not in use	(S)	(S)	.4	(S)	(S)	60.5
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
BODY TYPE						
Pickup	674.9	665.8	(S)	(Z)	(Z)	1.5
Panel or van	192.5	192.5	(Z)	(Z)	(Z)	9.4
Utility	73.7	73.7	(Z)	(Z)	(Z)	19.6
Station wagon	104.5	104.5	(Z)	(Z)	(Z)	15.6
Multistop or walk-in	12.5	7.4	(S)	(Z)	(Z)	45.8
Platform with added devices	7.4	1.8	2.0	2.2	1.5	9.0
Low boy or depressed center	1.6	(Z)	(S)	.2	1.2	18.5
Basic platform	30.3	15.7	5.8	3.8	5.1	15.4
Livestock truck	.4	(S)	(S)	(Z)	(S)	40.7
Insulated nonrefrigerated van	.9	(S)	(S)	(S)	.2	26.1
Insulated refrigerated van	3.5	.4	.9	.5	1.7	12.2
Drop-frame van	1.2	(S)	(S)	(S)	.7	21.3
Open-top van	.7	(S)	(S)	(S)	.3	31.0
Basic enclosed van	24.9	3.7	4.3	2.9	14.0	3.9
Beverage	2.5	(Z)	(S)	(S)	2.1	13.9
Public utility	4.0	1.2	1.2	.7	.9	12.8
Winch or crane	1.4	(S)	.5	(S)	.6	20.0
Wrecker	3.1	2.1	.8	(S)	.2	14.9
Pole or logging	.2	(Z)	(Z)	(S)	.2	44.9
Auto transport	3.3	(S)	(Z)	(Z)	3.2	10.4
Service truck	3.9	3.5	(S)	(S)	(S)	13.5
Yard tractor	.6	(S)	(S)	(S)	.5	24.5
Oilfield truck	.3	(S)	(S)	(S)	(S)	44.5
Cargo container chassis	.3	(Z)	(S)	(S)	.2	32.9
Grain body	1.4	(Z)	.7	(S)	.4	22.4
Garbage hauler	1.9	(S)	(S)	.2	1.5	15.4
Dump truck	15.4	(S)	2.1	2.3	4.3	29.8
Tank truck (liquids or gases)	5.5	(Z)	.8	1.4	3.3	9.3
Tank truck (dry bulk)	.8	(S)	(S)	(S)	.4	24.8
Concrete mixer	.6	(Z)	(S)	(Z)	.8	18.5
Other	(S)	(S)	(S)	(Z)	(Z)	77.2
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
ANNUAL MILES[1]						
Less than 5,000	212.7	194.3	8.4	4.9	5.0	11.6
5,000 to 9,999	341.4	322.5	9.2	3.4	6.3	9.0
10,000 to 19,999	467.4	441.5	14.0	4.1	7.8	7.0
20,000 to 29,999	105.2	95.9	1.3	2.2	5.7	17.8
30,000 to 49,999	25.6	17.6	1.2	1.1	5.9	31.3
50,000 to 74,999	15.5	(S)	.4	(S)	8.7	36.9
75,000 or more	6.4	(S)	(S)	(Z)	8.2	7.2
RANGE OF OPERATION						
Local	886.3	626.4	25.4	11.7	22.8	3.2
Short-range (Less than 201 miles)	144.3	124.9	(S)	2.5	9.8	14.9
Long-range (201 miles or more)	52.8	43.8	.2	(S)	8.7	24.8
Off-the-road	69.9	84.5	1.7	1.5	2.2	19.8
Not reported	1.1	.7	.3	(S)	(Z)	24.8
BASE OF OPERATION						
Percentage of miles traveled outside base-of-operation State:						
Less than 25 percent	695.9	829.3	26.4	12.6	27.4	3.1
25 to 49 percent	42.5	41.0	(S)	(S)	1.2	28.0
50 to 74 percent	44.5	39.7	.3	.4	4.1	27.5
75 to 100 percent	29.2	23.4	.4	.3	5.1	32.1
Not reported	182.2	146.8	(S)	2.1	5.6	14.0
AVERAGE WEIGHT (POUNDS)						
Less than 6,001	1,003.7	1,003.7	(Z)	(Z)	(Z)	1.8
6,001 to 10,000	76.5	78.5	(Z)	(Z)	(Z)	16.1
10,001 to 14,000	21.6	(Z)	21.6	(Z)	(Z)	36.1
14,001 to 18,000	5.7	(Z)	5.7	(Z)	(Z)	10.6
16,001 to 19,500	7.4	(Z)	7.4	(Z)	(Z)	9.2
19,501 to 26,000	15.9	(Z)	(Z)	15.9	(Z)	5.6
26,001 to 33,000	6.3	(Z)	(Z)	(Z)	6.3	7.4
33,001 to 40,000	6.5	(Z)	(Z)	(Z)	6.5	7.7
40,001 to 50,000	8.0	(Z)	(Z)	(Z)	8.0	8.4
50,001 to 60,000	6.5	(Z)	(Z)	(Z)	8.5	7.0
60,001 to 80,000	10.6	(Z)	(Z)	(Z)	10.8	5.2
80,001 to 100,000	1.6	(Z)	(Z)	(Z)	1.8	15.3
100,001 to 130,000	.6	(Z)	(Z)	(Z)	.6	24.8
130,001 or more	1.6	(Z)	(Z)	(Z)	1.6	15.3
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Table 4. **Trucks by Vehicle Size: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Vehicle size				Relative standard error of estimate (percent) for total
		Light	Medium	Light-heavy	Heavy-heavy	
TOTAL LENGTH (FEET)						
Less than 7.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7.0 to 9.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
10.0 to 12.9	87.3	87.3	(Z)	(Z)	(Z)	23.4
13.0 to 15.9	203.5	202.8	.5	(S)	(Z)	12.4
16.0 to 19.9	763.0	757.3	3.0	1.9	.7	3.9
20.0 to 27.9	88.9	52.0	21.7	6.5	6.7	15.5
28.0 to 35.9	18.0	.7	(S)	3.6	5.2	25.6
36.0 to 40.9	3.4	(S)	.6	.7	2.1	11.6
41.0 to 44.9	1.1	(Z)	(S)	(S)	1.0	20.6
45.0 or more	29.2	(S)	.4	.9	27.8	1.9
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
YEAR MODEL						
1983	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1982	29.9	28.8	.4	.2	.6	34.7
1981	71.3	63.9	(S)	.3	2.2	23.0
1980	46.6	40.6	1.1	1.0	3.9	27.3
1979	183.3	168.6	(S)	1.7	6.2	13.2
1978	183.8	174.0	2.2	1.3	6.3	13.0
1977	113.8	106.1	1.9	1.5	4.3	17.1
1976	112.4	108.4	.9	1.0	2.1	17.9
1975	49.4	42.9	2.0	1.2	3.4	26.1
1974	91.3	85.8	1.3	1.0	3.4	19.6
1973	60.9	49.7	(S)	1.4	3.4	23.2
Pre-1973	227.0	207.0	7.2	5.2	7.6	11.4
Not reported	(S)	(S)	(Z)	(Z)	(S)	99.1
VEHICLE ACQUISITION						
Purchased new	648.4	589.7	20.6	8.1	30.0	5.1
Purchased used	511.3	479.1	13.7	7.3	11.2	6.5
Leased from someone else	13.6	(S)	.3	.3	2.0	43.5
Not reported	.9	(S)	(S)	(S)	.3	26.3
LEASE CHARACTERISTICS[2]						
Leased without driver	13.5	(S)	.3	.3	2.0	44.4
Leased with driver	(S)	(Z)	(Z)	(Z)	(S)	96.7
Leased with owner-operator	(S)	(S)	(Z)	(Z)	(Z)	70.2
Provisions of lease	9.9	(S)	(S)	.2	2.0	49.5
Financing (no maintenance)	(S)	(S)	(S)	(S)	1.8	51.5
Financing (full maintenance)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Other	.4	(S)	(Z)	(S)	.2	37.2
OPERATOR CLASSIFICATION						
Not for hire:						
Private owner or individual	1,149.7	1,074.1	32.3	14.1	29.3	.4
For hire	20.0	1.6	2.5	1.7	14.2	4.0
Motor carrier	15.0	.3	1.4	.9	12.3	4.4
Owner-operator	1.7	(S)	(S)	.4	1.0	16.6
Daily rental	3.1	.9	1.0	.4	.6	13.9
Mixed—for hire/not for hire	(S)	(S)	(Z)	(Z)	(S)	60.3
For-hire interstate	9.7	(S)	.4	.3	9.0	5.5
Exempt carrier	1.4	.5	(S)	(S)	.5	21.2
Contract carrier	.7	(Z)	(S)	(S)	.5	25.3
Common carrier	11.5	.4	.9	.6	9.6	5.3
For-hire intrastate	2.8	(Z)	.4	(S)	2.2	12.2
For-hire local	4.7	.6	.9	1.0	2.1	10.4
PRODUCTS CARRIED						
Farm products	40.7	27.0	(S)	2.5	2.6	26.6
Live animals	(S)	(S)	(S)	.5	.4	50.1
Mining products	.4	(S)	(Z)	(Z)	.2	36.2
Logs and other forest products	(S)	(S)	.4	(S)	.4	61.1
Lumber and fabricated wood products	3.0	.6	.8	.9	.6	14.6
Processed foods	17.7	(S)	1.4	1.4	5.3	28.0
Textile mill products	(S)	(S)	(Z)	(S)	.3	76.2
Building materials	22.7	(S)	2.0	2.7	5.2	26.4
Household goods	2.7	.8	.8	(S)	.7	15.6
Furniture or hardware	(S)	(S)	(S)	.2	.3	62.6
Paper products	(S)	(S)	(S)	.4	.5	62.3
Chemicals	(S)	(S)	.7	.7	1.3	51.5
Petroleum	7.5	(S)	.6	.9	2.3	46.9
Plastics and/or rubber	1.4	.4	.5	(S)	.4	21.7
Primary metal products	2.2	.5	(S)	.1	1.3	14.7
Fabricated metal products	14.1	(S)	1.4	.5	1.9	40.7
Machinery	11.9	(S)	.5	.5	2.0	46.3
Transportation equipment	14.5	(S)	.9	.6	5.8	31.6
Scrap, refuse, or garbage	8.6	1.5	1.1	.7	3.5	8.7
Mixed cargoes	27.3	(S)	(S)	.9	6.3	32.9
Craftsman's equipment	74.1	69.6	2.1	1.2	1.2	21.1
Personal transportation	772.3	772.0	.3	(Z)	(Z)	3.6
No load carried	76.3	77.3	.5	(S)	.2	22.3
Not in use	(S)	(S)	.4	(S)	(S)	70.9
Other	15.5	14.3	(S)	(S)	.6	44.5
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Table 4. Trucks by Vehicle Size: 1982—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Vehicle size				Relative standard error of estimate (percent) for total
		Light	Medium	Light-heavy	Heavy-heavy	
HAZARDOUS MATERIALS CARRIED						
Hazardous materials carried	9.9	.5	.9	1.3	7.3	8.3
Less than 25 percent of time	5.4	(S)	.4	.2	4.8	8.0
25 to 49 percent of time	1.9	(S)	.3	.6	.9	17.2
50 to 74 percent of time	.3	(Z)	(Z)	(S)	.2	42.7
75 to 100 percent of time	2.4	(S)	(S)	.5	1.6	13.8
No percent reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Types of hazardous materials[2]	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Flammables or combustibles	8.7	(S)	.8	1.2	6.4	6.8
Acids, poisons, caustics, etc.	4.1	(S)	.3	.2	3.6	9.2
Explosives	(S)	(S)	(Z)	(Z)	(S)	52.0
Radioactive materials	(S)	(Z)	(S)	(S)	(Z)	69.4
Hazardous waste	.4	(Z)	(S)	(Z)	.4	31.2
Hazardous materials not listed above	(S)	(Z)	(S)	(Z)	(S)	56.9
Not reported	(S)	(Z)	(Z)	(Z)	(S)	69.8
No hazardous materials carried	827.0	544.7	33.0	13.9	35.4	5.3
Not reported	537.5	535.0	.9	.7	.9	6.2
TRUCK FLEET SIZE[3]						
1	988.4	958.3	17.8	4.2	8.4	2.0
2 to 5	66.2	50.1	5.5	4.8	5.8	19.5
6 to 19	58.0	43.0	3.3	3.4	8.3	22.0
20 or more	61.8	28.8	(S)	3.5	21.1	16.9
MILES PER GALLON						
Less than 5	24.9	.9	2.4	3.2	18.4	3.7
5 to 6.9	45.3	17.9	6.2	5.7	15.5	17.4
7 to 8.9	91.4	69.9	13.8	3.5	4.4	16.5
9 to 11.9	311.3	299.8	(S)	1.6	1.2	9.5
12 to 14.9	310.2	308.8	1.0	(S)	.2	9.4
15 to 19.9	252.9	252.8	(Z)	(S)	(S)	11.2
20 or more	54.7	54.7	(S)	(Z)	(Z)	27.6
Not reported	83.8	75.5	2.6	1.7	3.8	20.3
EQUIPMENT TYPE						
Transmission	1,174.4	1,080.2	34.8	15.9	43.5	(Z)
Manual	424.8	343.8	28.2	14.3	38.7	7.1
Automatic	730.2	720.0	(S)	1.0	3.4	4.2
Not reported	19.4	18.5	.8	.8	1.4	38.7
Braking system	1,174.4	1,080.2	34.8	15.9	43.5	(Z)
Hydraulic	32.4	18.3	8.8	4.1	3.4	3.7
Hydraulic (power)	1,097.1	1,059.2	25.4	7.8	4.7	.1
Air	38.9	.3	1.8	3.1	33.6	1.7
Not reported	8.0	2.5	.9	.8	1.8	9.9
Power steering[2]	855.9	794.8	20.1	10.3	30.9	3.4
Air conditioning[2]	288.8	274.0	(S)	.4	9.7	9.3
Engine retarder[2]	2.4	(S)	.5	.3	1.5	14.7
Reflective materials[2]	13.0	3.8	3.2	2.0	4.9	6.2
FUEL CONSERVATION EQUIPMENT[2]						
Aerodynamic features	5.9	1.3	.9	.5	3.1	9.2
Axle or drive ratio	18.8	3.0	3.8	2.8	9.2	5.0
Fuel economy engine	11.9	1.1	1.2	.7	8.9	5.6
Radial tires	402.8	382.1	2.4	1.9	16.4	7.7
Road speed governor	26.7	2.1	5.3	4.8	14.7	3.9
Variable fan drives	18.8	1.5	1.7	1.0	12.3	4.6
Other fuel conservation devices	2.8	.5	.2	(S)	2.0	12.9
Not reported	741.8	694.0	25.7	7.7	14.2	4.2
MAINTENANCE						
General maintenance:						
Owner	781.1	754.4	12.2	5.4	9.1	3.8
Company's maintenance facilities	104.8	65.0	8.0	5.7	25.8	14.3
Dealership's service department	118.8	110.5	2.8	2.2	3.1	16.1
Leasing company	(S)	(S)	(S)	.2	1.1	60.8
Independent garage	239.7	221.7	(S)	3.0	5.9	11.1
Component distributorship	(S)	(S)	(S)	(S)	.2	91.4
Other	(S)	(S)	(Z)	(Z)	.5	83.3
Not reported	59.6	53.7	1.5	1.0	3.4	23.2
Major overhauls:						
Owner	265.7	259.8	2.4	1.3	2.2	10.7
Company's maintenance facilities	58.4	33.9	4.7	3.4	16.4	17.9
Dealership's service department	144.8	124.5	(S)	3.2	8.3	14.7
Leasing company	(S)	(S)	(Z)	(S)	.8	78.1
Independent garage	234.1	209.0	13.1	3.4	8.6	11.2
Component distributorship	1.4	(Z)	(S)	(S)	1.2	16.7
Other	(S)	(S)	(Z)	(S)	.4	55.7
Not reported	501.7	480.5	7.0	5.0	9.2	6.6

See footnotes at end of table.

Table 4. **Trucks by Vehicle Size: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Vehicle size				Relative standard error of estimate (percent) for total
		Light	Medium	Light-heavy	Heavy-heavy	
ENGINE TYPE AND SIZE						
Engine	1,174.4	1,080.2	34.6	15.9	43.5	(Z)
Gasoline	1,116.6	1,057.4	32.9	13.7	12.6	.9
Diesel	52.4	16.5	1.4	1.9	30.6	17.1
LP gas or other	(S)	(S)	.5	.3	.3	66.0
Not reported	(S)	(S)	(Z)	(S)	(Z)	77.2
Cylinders	1,174.4	1,080.2	34.6	15.9	43.5	(Z)
4	51.2	50.7	(S)	(S)	(S)	28.0
6	267.7	239.5	4.1	2.3	21.7	10.3
8	850.6	786.1	30.2	13.5	21.0	3.5
Other	(S)	(S)	(Z)	(Z)	(S)	53.2
Not reported	(S)	(S)	.3	(S)	.5	76.4
Cubic inch displacement	1,174.3	1,080.1	34.6	15.6	43.5	(Z)
Gasoline engines	1,116.6	1,057.4	32.9	13.7	12.6	.9
Less than 200	49.1	48.9	(S)	(Z)	(Z)	28.7
200 to 299	123.0	119.6	2.4	.6	(S)	16.6
300 to 349	311.4	304.2	3.6	2.4	1.2	9.6
350 to 399	477.1	448.6	15.0	7.6	5.6	6.9
400 or more	85.6	66.7	(S)	2.1	4.6	19.7
Not reported	70.4	67.0	1.5	1.0	.9	22.6
Diesel engines	52.4	16.5	1.4	1.9	30.6	17.1
Less than 400	16.4	(S)	.3	.2	2.2	47.5
400 to 599	16.6	(S)	.5	.7	10.9	27.2
600 to 799	5.6	(S)	.5	.6	4.7	7.6
800 or more	11.0	(Z)	(S)	.2	10.6	5.0
Not reported	2.5	(Z)	(S)	.2	2.2	12.0
Other engines	(S)	(S)	.5	.3	.3	66.0
Less than 400	(S)	(S)	.5	(S)	(S)	69.7
400 or more	.3	(S)	(Z)	(S)	.2	40.9
Not reported	(S)	(Z)	(S)	(Z)	(Z)	98.2
Horsepower	1,174.3	1,080.1	34.6	15.6	43.5	(Z)
Gasoline engines	1,116.6	1,057.4	32.9	13.7	12.6	.9
Less than 100	43.2	43.1	(S)	(S)	(Z)	30.4
100 to 199	803.0	771.2	18.6	9.0	4.2	3.8
200 to 249	166.4	148.1	(S)	3.5	6.6	13.9
250 or more	33.6	28.2	(S)	(S)	.5	33.6
Not reported	70.3	66.9	1.4	.8	1.3	22.6
Diesel engines	52.4	16.5	1.4	1.9	30.6	17.1
Less than 250	26.2	(S)	1.1	1.3	11.9	27.7
250 to 349	11.6	(Z)	(S)	.4	11.4	4.6
350 to 449	5.3	(Z)	(S)	(Z)	5.3	7.9
450 or more	.7	(Z)	(S)	(Z)	.6	23.2
Not reported	(S)	(S)	(S)	.2	1.5	71.0
Other engines	(S)	(S)	.5	.3	.3	66.0
Less than 250	(S)	(S)	.5	.3	.3	68.3
250 or more	(S)	(S)	(Z)	(Z)	(Z)	99.3
Not reported	(S)	(S)	(S)	(Z)	(Z)	77.2
TRUCK TYPE AND AXLE ARRANGEMENT						
Single-unit trucks	1,130.6	1,079.6	24.3	13.9	12.7	.6
2 axles	1,123.4	1,079.6	23.7	13.2	6.7	.6
3 axles	6.2	(Z)	.5	.6	5.1	6.6
4 axles or more	1.0	(Z)	(S)	(S)	.9	16.1
Combinations	43.7	.4	(S)	2.0	30.9	14.7
Single-unit truck with trailer	13.5	.3	(S)	.9	2.4	47.5
3 axles	.3	(S)	(S)	(Z)	(S)	48.7
4 axles	(S)	(S)	(S)	.4	.6	59.3
5 axles or more	2.4	(S)	(S)	.5	1.7	15.1
Truck-tractor with single trailer	28.6	(S)	.6	1.0	28.9	1.7
3 axles	2.9	(S)	.2	.4	2.3	11.3
4 axles	6.4	(S)	.3	.6	7.6	6.0
5 axles or more	17.3	(Z)	(S)	(S)	17.1	3.4
Truck-tractor with double trailers	1.6	(Z)	(Z)	(S)	1.6	15.0
5 axles	.2	(Z)	(Z)	(S)	(S)	49.3
6 axles	.2	(Z)	(Z)	(S)	.2	40.2
7 axles or more	1.2	(Z)	(Z)	(Z)	1.2	17.4
Truck-tractor with triple trailers	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7 axles	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
8 axles or more	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Trailer not specified	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Powered axles	1,174.4	1,080.2	34.6	15.9	43.5	(Z)
1	929.3	865.9	27.6	14.5	21.1	2.8
2	237.9	211.1	(S)	.9	20.6	11.0
3 or more	.9	(Z)	(S)	(S)	.9	19.6
Not reported	6.3	3.1	1.8	.4	1.0	10.0
CAB TYPE[4]						
Cab forward of engine	3.9	.7	.6	.3	2.3	11.3
Cab over engine	17.7	2.3	2.0	2.0	11.4	4.7
Short-hood conventional	30.2	6.9	5.6	4.9	10.9	3.9
Medium-hood conventional	41.9	12.6	9.3	6.6	13.2	3.1
Long-hood conventional	11.2	3.5	2.1	1.1	4.6	7.0
Cab beside engine	.5	(S)	(S)	(S)	(S)	39.1
Other	65.0	63.6	.9	.3	.2	21.8
Not reported	1,004.0	988.4	(S)	.5	.9	1.4

See footnotes at end of table.

Table 4. **Trucks by Vehicle Size: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Vehicle size				Relative standard error of estimate (percent) for total
		Light	Medium	Light-heavy	Heavy-heavy	
PICKUPS, PANELS, VANS, UTILITIES, AND STATION WAGONS						
Total	1,045.6	1,036.5	(S)	(Z)	(Z)	.8
Pickups	874.9	665.8	(S)	(Z)	(Z)	1.5
Panels or vans	192.5	192.5	(Z)	(Z)	(Z)	9.4
Utilities	73.7	73.7	(Z)	(Z)	(Z)	19.8
Station wagons	104.5	104.5	(Z)	(Z)	(Z)	15.6
Driving wheels	1,045.2	1,036.1	(S)	(Z)	(Z)	.8
4-wheel drive	205.1	200.8	(S)	(Z)	(Z)	12.5
2-wheel drive	817.4	812.8	(S)	(Z)	(Z)	3.4
Front-wheel drive	22.6	22.6	(Z)	(Z)	(Z)	44.1

NOTE: Because the sample is designed to measure the number of trucks and not all of the specific vehicular and operational characteristics of those trucks, some data cells may have high relative standard errors of estimate (RSEs). For Michigan, 64.0 of the cells have RSEs greater than 10 percent, and 38.0 of the cells have RSEs greater than 25 percent.

[1]When no response was obtained for annual miles, data were imputed.
[2]Detail does not add to totals because items were not applicable or multiple responses were possible.
[3]When no response was obtained, one truck was imputed based on body type of sampled vehicle.
[4]Pickups, panels, and vans are not included.

Table 5. Trucks by Annual Mileage Class: 1982

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Annual miles[1]							Relative standard error of estimate (percent) for total
		Less than 5,000	5,000 to 9,999	10,000 to 19,999	20,000 to 29,999	30,000 to 49,999	50,000 to 74,999	75,000 or more	
Total	1,174.4	212.7	341.4	487.4	105.2	25.8	15.5	6.4	(Z)
Relative standard error (percent)	(Z)	11.8	9.0	7.0	17.8	31.3	36.9	7.2	(Z)
MAJOR USE									
Agriculture	94.0	31.8	(S)	49.3	.4	.3	.4	(S)	18.9
Forestry and lumbering	1.9	1.3	(S)	.2	(S)	(S)	(S)	(Z)	18.7
Mining and quarrying	(S)	(S)	(S)	(S)	(S)	(Z)	(Z)	(Z)	92.7
Construction	66.5	14.5	19.8	37.8	(S)	1.0	.3	(S)	18.7
Manufacturing	29.9	2.4	(S)	(S)	(S)	1.7	1.5	1.1	28.7
Wholesale trade	20.0	.9	2.3	(S)	(S)	2.3	1.0	.7	24.8
Retail trade	36.3	1.9	(S)	(S)	12.2	(S)	.5	(S)	27.5
For-hire transportation	16.5	.7	1.0	2.8	2.1	2.4	3.5	3.9	4.2
Utilities	31.8	(S)	(S)	14.1	(S)	(S)	(S)	(Z)	30.9
Services	64.0	(S)	15.6	21.7	(S)	1.0	(S)	.2	22.9
Daily rental	3.1	.4	1.3	.8	.2	.2	.2	.3	13.9
Personal transportation	772.3	136.6	257.7	319.8	45.8	(S)	(S)	(Z)	3.8
Other	(S)	(Z)	(Z)	(S)	(S)	(S)	(Z)	(Z)	96.7
Not in use	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	60.5
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
BODY TYPE									
Pickup	874.9	131.3	213.4	263.1	53.4	(S)	(S)	(Z)	1.5
Panel or van	192.5	14.0	31.8	115.3	21.1	(S)	(S)	(Z)	9.4
Utility	73.7	18.4	21.0	24.7	(S)	(S)	(Z)	(Z)	19.8
Station wagon	104.5	13.9	48.8	34.8	(S)	(Z)	(Z)	(Z)	15.6
Multistop or walk-in	12.5	(S)	1.1	(S)	.6	.4	(S)	(Z)	45.8
Platform with added devices	7.4	3.0	1.9	1.5	.6	.3	(S)	(S)	9.0
Low boy or depressed center	1.8	.5	.2	.4	.2	.2	(S)	(S)	16.5
Basic platform	30.3	18.1	4.7	5.5	1.5	1.6	.7	.2	15.4
Livestock truck	.4	(S)	(Z)	(S)	(Z)	(S)	(Z)	(Z)	40.7
Insulated nonrefrigerated van	.9	(S)	(S)	(S)	.3	(S)	(S)	(S)	26.1
Insulated refrigerated van	3.5	(S)	.4	.7	.8	.6	.6	.3	12.2
Drop-frame van	1.2	(Z)	(S)	.4	(S)	.1	(S)	.2	21.3
Open-top van	.7	.5	(S)	(S)	(S)	(S)	(Z)	(Z)	31.0
Basic enclosed van	24.9	2.6	3.5	5.0	3.7	2.8	3.1	4.3	3.9
Beverage	2.5	(S)	1.0	.9	.4	(Z)	(Z)	(Z)	13.9
Public utility	4.0	.8	1.8	1.2	.3	(S)	(Z)	(Z)	12.8
Winch or crane	1.4	.3	.4	.3	(S)	(S)	(S)	(Z)	20.0
Wrecker	3.1	1.2	.6	.6	.7	(S)	(Z)	(Z)	14.9
Pole or logging	.2	(S)	(Z)	(S)	(S)	(S)	(Z)	(Z)	44.9
Auto transport	3.3	(S)	(Z)	(S)	.2	.6	1.6	.8	10.4
Service truck	3.9	.8	1.8	1.0	.4	(S)	(Z)	(Z)	13.5
Yard tractor	.6	.2	(S)	.2	(S)	(S)	(Z)	(Z)	24.5
Oilfield truck	.3	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	44.5
Cargo container chassis	.3	.2	(Z)	(S)	(Z)	(S)	(S)	(Z)	32.9
Grain body	1.4	.8	.4	(S)	(Z)	(Z)	(Z)	(Z)	22.4
Garbage hauler	1.9	(S)	.3	.6	.5	.4	(Z)	(S)	15.4
Dump truck	15.4	3.9	(S)	2.6	.8	.7	.2	(S)	29.8
Tank truck (liquids or gases)	5.5	.8	.8	1.3	.9	1.0	.8	.3	9.3
Tank truck (dry bulk)	.8	.2	(S)	(S)	(S)	.2	(S)	(S)	24.8
Concrete mixer	.8	.1	.4	.3	(Z)	(Z)	(Z)	(Z)	18.5
Other	(S)	(Z)	(Z)	(S)	(Z)	(S)	(Z)	(Z)	77.2
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
RANGE OF OPERATION									
Local	886.3	149.0	264.3	372.8	77.3	17.6	(S)	.3	3.2
Short-range (Less than 201 miles)	144.3	24.8	48.4	43.7	19.3	3.4	3.0	1.7	14.9
Long-range (201 miles or more)	52.8	(S)	(S)	24.5	(S)	(S)	(S)	4.4	24.6
Off-the-road	89.9	34.5	24.0	28.5	(S)	.2	(Z)	(Z)	19.6
Not reported	1.1	1.1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	24.8
BASE OF OPERATION									
Percentage of miles traveled outside base-of-operation State:									
Less than 25 percent	895.9	166.3	262.5	365.4	74.4	19.5	(S)	1.2	3.1
25 to 49 percent	42.5	(S)	(S)	(S)	(S)	.6	(S)	.4	28.0
50 to 74 percent	44.5	(S)	(S)	(S)	(S)	.5	1.4	1.7	27.5
75 to 100 percent	29.2	.3	.3	(S)	(S)	(S)	1.5	2.5	32.1
Not reported	182.2	27.0	54.0	66.9	(S)	.9	1.3	.6	14.0
VEHICLE SIZE									
Light	1,080.2	194.3	322.5	441.5	95.9	17.6	(S)	(S)	.7
Medium	34.8	8.4	9.2	14.0	1.3	1.2	.4	(S)	22.6
Light-heavy	15.9	4.9	3.4	4.1	2.2	1.1	(S)	(Z)	5.8
Heavy-heavy	43.5	5.0	8.3	7.8	5.7	5.9	6.7	6.2	1.7
AVERAGE WEIGHT (POUNDS)									
Less than 8,001	1,003.7	180.3	304.9	412.8	64.5	(S)	(S)	(Z)	1.6
6,001 to 10,000	76.5	14.0	17.6	28.7	(S)	(S)	.3	(S)	18.1
10,001 to 14,000	21.8	3.4	(S)	(S)	.6	(S)	(S)	(Z)	36.1
14,001 to 16,000	5.7	2.4	1.0	1.4	.3	.4	(S)	(S)	10.6
18,001 to 19,500	7.4	2.6	1.8	1.6	.4	.6	(S)	(S)	9.2
19,501 to 28,000	15.9	4.9	3.4	4.1	2.2	1.1	(S)	(Z)	5.8
28,001 to 33,000	8.3	1.6	2.0	2.0	1.1	.9	.5	.1	7.4
33,001 to 40,000	6.5	1.1	1.2	1.7	1.4	.4	.5	.3	7.7
40,001 to 50,000	8.0	1.4	1.8	1.5	1.0	.8	.9	.7	6.4
50,001 to 80,000	8.5	.4	.5	.8	.8	.9	1.4	1.7	7.0
60,001 to 80,000	10.8	.4	.9	1.4	.9	1.5	2.3	3.1	5.2
80,001 to 100,000	1.8	(S)	(S)	.2	.1	.4	.5	.2	15.3
100,001 to 130,000	.8	(Z)	(Z)	(S)	.2	.1	(S)	(Z)	24.8
130,001 or more	1.6	(Z)	(Z)	.2	(S)	.8	.5	(S)	15.3
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Table 5. Trucks by Annual Mileage Class: 1982—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Annual miles[1]							Relative standard error of estimate (percent) for total
		Less than 5,000	5,000 to 9,999	10,000 to 19,999	20,000 to 29,999	30,000 to 49,999	50,000 to 74,999	75,000 or more	
TOTAL LENGTH (FEET)									
Less than 7.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7.0 to 9.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
10.0 to 12.9	87.3	21.9	16.3	20.9	(S)	(S)	(Z)	(Z)	23.4
13.0 to 15.9	203.5	21.0	73.2	88.1	17.4	(S)	(S)	(Z)	12.4
18.0 to 19.9	763.0	135.5	227.1	312.0	66.8	16.9	(S)	(Z)	3.9
20.0 to 27.9	88.9	28.7	13.5	36.4	7.3	2.3	.5	(S)	15.5
28.0 to 35.9	18.0	3.3	(S)	3.9	1.3	1.2	.5	.2	25.8
36.0 to 40.9	3.4	.5	.7	1.1	.8	.3	.2	(S)	11.8
41.0 to 44.9	1.1	(S)	.3	.5	(S)	(Z)	(Z)	(Z)	20.8
45.0 or more	29.2	1.6	2.7	4.4	3.5	4.7	6.1	6.1	1.9
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
YEAR MODEL									
1983	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1982	29.9	(S)	.4	(S)	(S)	(S)	(S)	.2	34.7
1981	71.3	.5	22.2	37.2	(S)	.5	(S)	.7	23.0
1980	46.8	.8	1.1	24.8	(S)	(S)	.6	1.3	27.3
1979	183.3	1.5	46.1	108.9	18.2	(S)	1.2	1.1	13.2
1978	183.8	18.5	81.3	80.2	19.3	1.7	1.4	1.4	13.0
1977	113.8	29.8	13.8	50.9	18.8	.8	1.3	.7	17.1
1976	112.4	(S)	47.3	46.2	(S)	.8	.4	.3	17.9
1975	49.4	(S)	23.8	15.0	.7	.8	.4	(S)	26.1
1974	91.3	19.3	49.0	21.0	.8	.8	.3	(S)	19.8
1973	80.9	14.3	17.0	27.4	1.0	.4	.8	.2	23.2
Pre-1973	227.0	101.8	59.4	50.8	(S)	.9	(S)	.3	11.4
Not reported	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	99.1
VEHICLE ACQUISITION									
Purchased new	648.4	81.4	182.8	288.5	81.2	19.0	10.4	5.3	5.1
Purchased used	511.3	130.8	154.8	174.4	39.9	(S)	(S)	.7	8.5
Leased from someone else	13.8	.3	(S)	(S)	(S)	.3	.3	.3	43.5
Not reported	.9	.3	(S)	(S)	(S)	(Z)	(S)	(S)	26.3
LEASE CHARACTERISTICS[2]									
Leased without driver	13.5	.2	(S)	(S)	(S)	.2	.3	.3	44.4
Leased with driver	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	98.7
Leased with owner-operator	(S)	(Z)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	70.2
Provisions of lease	9.9	.2	(S)	.9	(S)	.3	.4	.2	49.5
Financing (no maintenance)	(S)	.2	(S)	.7	(S)	.2	.2	.2	51.5
Financing (full maintenance)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Other	.4	(Z)	(Z)	(S)	(S)	(S)	(S)	(Z)	37.2
OPERATOR CLASSIFICATION									
Not for hire:									
Private owner or individual	1,149.7	211.2	334.8	463.9	102.9	23.1	11.8	2.2	.4
For hire	20.0	1.4	2.3	3.4	2.3	2.8	3.7	4.2	4.0
Motor carrier	15.0	.7	1.0	2.8	1.8	2.2	3.2	3.5	4.4
Owner-operator	1.7	(S)	(S)	.3	.3	.3	.2	.3	18.8
Daily rental	3.1	.4	1.3	.6	.2	.2	.2	.3	13.9
Mixed—for hire/not for hire	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(S)	60.3
For-hire interstate	9.7	.2	.2	.8	1.1	1.3	2.8	3.8	5.5
Exempt carrier	1.4	(S)	.3	.5	.3	(S)	(S)	(Z)	21.2
Contract carrier	.7	(S)	(S)	(Z)	(S)	.2	(S)	(S)	25.3
Common carrier	11.5	.5	.9	1.9	1.5	1.7	2.1	2.9	5.3
For-hire intrastate	2.8	(S)	(S)	.5	.4	.8	.7	.2	12.2
For-hire local	4.7	.8	.9	1.6	.8	.8	.2	(S)	10.4
PRODUCTS CARRIED									
Farm products	40.7	20.1	2.0	17.4	.4	.5	.3	(S)	26.8
Live animals	(S)	1.0	(S)	(S)	(S)	(S)	(S)	(S)	50.1
Mining products	.4	(S)	(S)	(S)	(Z)	(S)	(Z)	(S)	38.2
Logs and other forest products	(S)	(S)	(S)	(S)	(S)	.2	(Z)	(Z)	61.1
Lumber and fabricated wood products	3.0	1.0	.8	.8	.3	(S)	(S)	(S)	14.6
Processed foods	17.7	.5	2.2	(S)	(S)	1.0	.9	.9	28.0
Textile mill products	(S)	(S)	(Z)	.3	(S)	(S)	(S)	(S)	78.2
Building materials	22.7	3.7	3.5	(S)	(S)	.9	.3	(S)	26.4
Household goods	2.7	.5	1.3	.4	(S)	(S)	(S)	.1	15.6
Furniture or hardware	(S)	(S)	(S)	.5	(S)	(S)	(S)	(S)	62.6
Paper products	(S)	(S)	(S)	(S)	.3	.1	(S)	.1	62.3
Chemicals	(S)	.8	.6	(S)	.4	.3	.3	.2	51.5
Petroleum	7.5	.4	.4	.9	.9	(S)	.7	.2	48.9
Plastics and/or rubber	1.4	.4	.3	.3	(S)	(Z)	(S)	(S)	21.7
Primary metal products	2.2	(S)	.4	.4	.1	.6	.4	(S)	14.7
Fabricated metal products	14.1	1.4	(S)	1.2	.6	.8	.4	.4	40.7
Machinery, elect or nonelect	11.9	1.0	1.0	(S)	(S)	.3	.3	(S)	46.3
Transportation equipment	14.5	1.4	(S)	1.3	1.5	1.6	2.1	1.3	31.6
Scrap, refuse, or garbage	8.8	1.8	1.4	1.6	.9	1.0	.2	(S)	6.7
Mixed cargoes	27.3	.6	(S)	2.3	(S)	1.1	1.1	2.0	32.9
Craftsman's equipment	74.1	20.9	(S)	38.7	(S)	(S)	(Z)	(S)	21.1
Personal transportation	772.3	136.6	257.7	319.6	45.6	(S)	(S)	(Z)	3.6
No load carried	78.3	(S)	27.4	37.9	(S)	(S)	(Z)	(Z)	22.3
Not in use	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	70.9
Other	15.5	(S)	(S)	.5	(S)	(S)	(S)	(S)	44.5
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Table 5. **Trucks by Annual Mileage Class: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Annual miles[1]							Relative standard error of estimate (percent) for total
		Less than 5,000	5,000 to 9,999	10,000 to 19,999	20,000 to 29,999	30,000 to 49,999	50,000 to 74,999	75,000 or more	
HAZARDOUS MATERIALS CARRIED									
Hazardous materials carried	9.9	.7	.5	1.6	2.0	1.3	1.3	2.2	6.3
Less than 25 percent of time	5.4	.3	.2	.9	.9	.5	.6	1.9	8.0
25 to 49 percent of time	1.9	(S)	(S)	.4	.4	.4	.2	(S)	17.2
50 to 74 percent of time	.3	(Z)	(Z)	(S)	(S)	(S)	(Z)	(S)	42.7
75 to 100 percent of time	2.4	(S)	(S)	.4	.7	.3	.5	.2	13.6
No percent reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Types of hazardous materials	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Flammables or combustibles	6.7	.4	.4	1.7	1.8	1.1	1.3	1.9	6.8
Acids, poisons, caustics, etc.	4.1	(S)	.1	.7	.6	.5	.6	1.6	9.2
Explosives	(S)	(S)	(Z)	(Z)	(S)	(S)	(Z)	(Z)	52.0
Radioactive materials	(S)	(S)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	69.4
Hazardous waste	.4	(S)	(Z)	(S)	(S)	(S)	.2	(Z)	31.2
Hazardous materials not listed above	(S)	(S)	(Z)	(S)	(Z)	(S)	(Z)	(Z)	56.9
Not reported	(S)	(Z)	(S)	(Z)	(S)	(Z)	(Z)	(Z)	69.6
No hazardous materials carried	627.0	126.1	152.9	242.7	72.0	15.2	14.0	4.2	5.3
Not reported	537.5	85.9	188.0	222.9	31.1	(S)	.2	(S)	6.2
TRUCK FLEET SIZE[3]									
1	988.4	175.3	309.4	395.2	83.3	14.6	(S)	1.0	2.0
2 to 5	66.2	25.6	6.7	25.9	3.1	1.4	1.1	.4	19.5
6 to 19	58.0	(S)	(S)	22.2	(S)	(S)	.9	.5	22.0
20 or more	61.6	3.2	15.0	24.0	7.0	4.0	4.3	4.4	16.9
MILES PER GALLON									
Less than 5	24.9	3.8	4.5	4.9	2.5	3.0	3.4	2.7	3.7
5 to 6.9	45.3	10.3	5.6	12.0	(S)	3.5	2.5	3.3	17.4
7 to 8.9	91.4	23.0	(S)	44.1	13.9	1.4	.5	(S)	16.5
9 to 11.9	311.3	55.4	140.0	94.3	17.0	(S)	(S)	(S)	9.5
12 to 14.9	310.2	42.2	84.1	146.7	25.4	(S)	(S)	(Z)	9.4
15 to 19.9	252.9	52.3	71.0	97.5	23.0	(S)	(S)	(Z)	11.2
20 or more	54.7	(S)	(S)	31.6	(S)	(Z)	(Z)	(Z)	27.6
Not reported	83.6	20.8	18.9	36.1	(S)	.6	.9	.3	20.3
EQUIPMENT TYPE									
Transmission	1,174.4	212.7	341.4	467.4	105.2	25.6	15.5	6.4	(Z)
Manual	424.6	110.2	134.7	133.4	24.6	8.4	6.9	6.3	7.1
Automatic	730.2	101.6	206.0	317.6	79.2	17.3	(S)	(S)	4.2
Not reported	19.4	.6	.6	16.4	1.1	(S)	.2	(S)	38.7
Braking system	1,174.4	212.7	341.4	467.4	105.2	25.8	15.5	6.4	(Z)
Hydraulic	32.4	14.4	7.7	5.6	2.5	1.3	.4	.3	3.7
Hydraulic (power)	1,097.1	192.4	327.6	452.6	96.6	18.4	(S)	(S)	.1
Air	38.9	4.1	5.0	7.2	4.6	5.9	6.0	5.9	1.7
Not reported	6.0	1.7	.9	1.6	1.2	.3	.3	(S)	9.9
Power steering[2]	855.9	110.6	249.6	369.8	91.3	20.6	9.6	4.0	3.4
Air conditioning[2]	288.6	40.6	88.0	109.6	29.6	(S)	(S)	4.4	9.3
Engine retarder[2]	2.4	.4	.6	.4	.4	.3	(S)	.2	14.7
Reflective materials[2]	13.9	2.9	3.6	3.0	1.1	1.0	1.2	.9	6.2
FUEL CONSERVATION EQUIPMENT[2]									
Aerodynamic features	5.9	(S)	1.4	.6	.4	.9	1.1	1.4	9.2
Axle or drive ratio	16.6	3.5	3.6	3.3	1.4	2.6	2.0	2.4	5.0
Fuel economy engine	11.9	1.0	2.0	1.3	1.0	1.7	2.1	2.7	5.6
Radial tires	402.6	26.3	120.3	180.5	45.3	16.2	9.2	4.9	7.7
Road speed governor	26.7	4.4	5.1	5.9	3.4	4.0	2.3	1.6	3.9
Variable fan drives	16.6	.6	2.3	2.5	2.0	2.3	2.8	3.9	4.6
Other fuel conservation devices	2.6	(S)	.3	.6	.4	.5	.3	.5	12.9
Not reported	741.6	179.5	214.6	279.2	56.0	(S)	(S)	.6	4.2
MAINTENANCE									
General maintenance:									
Owner	781.1	183.0	227.1	301.4	68.0	(S)	(S)	.5	3.6
Company's maintenance facilities	104.6	16.4	14.5	37.6	16.0	8.6	4.5	4.6	14.3
Dealership's service department	116.6	13.3	34.6	59.3	(S)	1.1	.7	.4	16.1
Leasing company	(S)	(S)	(S)	.2	(S)	.2	(S)	.2	60.6
Independent garage	239.7	34.6	84.6	103.0	(S)	(S)	.8	.5	11.1
Component distributorship	(S)	(Z)	(S)	(S)	(S)	(Z)	(S)	(S)	91.4
Other	(S)	(S)	(S)	(S)	(S)	(Z)	(S)	.2	83.3
Not reported	59.6	(S)	21.0	21.6	(S)	.6	.7	.3	23.2
Major overhauls:									
Owner	265.7	64.5	66.3	112.2	(S)	(S)	(S)	(S)	10.7
Company's maintenance facilities	58.4	4.0	10.8	24.0	(S)	(S)	3.0	3.7	17.9
Dealership's service department	144.6	18.5	44.2	57.8	15.0	2.0	(S)	.9	14.7
Leasing company	(S)	(S)	(Z)	.2	(S)	(S)	(S)	(S)	78.1
Independent garage	234.1	22.6	59.8	105.1	41.7	3.1	1.2	.7	11.2
Component distributorship	1.4	(S)	(S)	.3	(S)	.2	.3	.4	16.7
Other	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	55.7
Not reported	501.7	115.0	169.3	176.7	32.5	(S)	1.3	.6	6.6

See footnotes at end of table.

Table 5. Trucks by Annual Mileage Class: 1982—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Annual miles[1]							Relative standard error of estimate (percent) for total
		Less than 5,000	5,000 to 9,999	10,000 to 19,999	20,000 to 29,999	30,000 to 49,999	50,000 to 74,999	75,000 or more	
ENGINE TYPE AND SIZE									
Engine	1,174.4	212.7	341.4	467.4	105.2	25.8	15.5	6.4	(Z)
Gasoline	1,118.8	210.5	334.6	443.0	99.8	19.8	(S)	(S)	.9
Diesel	52.4	1.7	3.0	23.7	4.9	6.0	6.9	6.3	17.1
LP gas or other	(S)	.4	(S)	.8	.4	(S)	(S)	(Z)	66.0
Not reported	(S)	(Z)	(Z)	(S)	(S)	(Z)	(Z)	(Z)	77.2
Cylinders	1,174.4	212.7	341.4	467.4	105.2	25.8	15.5	6.4	(Z)
4	51.2	(S)	(S)	21.7	(S)	(S)	(S)	(Z)	28.0
8	267.7	65.5	68.6	91.7	24.4	7.5	5.0	5.1	10.3
8	850.8	130.9	268.1	350.3	71.8	18.1	(S)	1.2	3.5
Other	(S)	(S)	(Z)	(S)	(S)	(S)	(Z)	(Z)	53.2
Not reported	(S)	.8	(S)	(S)	(S)	(S)	(S)	(S)	78.4
Cubic inch displacement	1,174.3	212.7	341.4	467.3	105.2	25.8	15.5	6.4	(Z)
Gasoline engines	1,116.8	210.5	334.8	443.0	99.8	19.8	(S)	(S)	.9
Less than 200	49.1	18.4	(S)	(S)	(S)	(Z)	(Z)	(Z)	28.7
200 to 299	123.0	45.5	26.0	44.0	(S)	(S)	(Z)	(Z)	18.6
300 to 349	311.4	40.4	105.4	126.5	35.2	(S)	(S)	(Z)	9.8
350 to 399	477.1	78.8	135.3	202.5	40.7	(S)	(S)	(S)	8.9
400 or more	85.6	(S)	26.2	35.0	(S)	(S)	(S)	(S)	19.7
Not reported	70.4	18.5	35.2	18.0	.4	.3	(Z)	(Z)	22.8
Diesel engines	52.4	1.7	3.0	23.7	4.9	6.0	6.9	6.3	17.1
Less than 400	18.4	.4	.4	(S)	.3	.3	.4	.3	47.5
400 to 599	18.8	.3	.8	(S)	2.1	2.2	3.2	1.9	27.2
600 to 799	5.8	.4	.7	1.6	1.2	1.0	.4	.5	7.8
800 or more	11.0	.4	.8	.8	1.0	2.1	2.6	3.4	5.0
Not reported	2.5	.1	.4	.7	.4	.4	.3	.2	12.0
Other engines	(S)	.4	(S)	.6	.4	(S)	(S)	(Z)	66.0
Less than 400	(S)	.4	(S)	.4	.3	(Z)	(S)	(Z)	69.7
400 or more	.3	(S)	(Z)	(S)	(S)	(Z)	(Z)	(Z)	40.9
Not reported	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	98.2
Horsepower	1,174.3	212.7	341.4	467.3	105.2	25.8	15.5	6.4	(Z)
Gasoline engines	1,116.6	210.5	334.8	443.0	99.8	19.6	(S)	(S)	.9
Less than 100	43.2	17.9	(S)	(S)	(S)	(Z)	(Z)	(Z)	30.4
100 to 199	803.0	135.9	226.1	345.3	72.6	14.6	(S)	(S)	3.8
200 to 249	166.4	39.9	52.5	58.7	(S)	1.3	(S)	(S)	13.9
250 or more	33.6	.8	16.2	(S)	(S)	(S)	(S)	(Z)	33.6
Not reported	70.3	18.3	35.3	18.0	.5	.3	(Z)	(Z)	22.8
Diesel engines	52.4	1.7	3.0	23.7	4.9	6.0	6.9	8.3	17.1
Less than 250	28.2	1.0	1.8	18.9	2.8	2.2	2.4	1.4	27.7
250 to 349	11.8	.5	.8	1.2	1.2	2.0	2.9	3.3	4.8
350 to 449	5.3	(S)	.2	.4	.5	1.5	1.2	1.4	7.9
450 or more	.7	(S)	(S)	.2	(S)	(S)	(S)	(S)	23.2
Not reported	(S)	(S)	.2	(S)	.3	.2	.3	.1	71.0
Other engines	(S)	.4	(S)	.8	.4	(S)	(S)	(Z)	66.0
Less than 250	(S)	.4	(S)	.4	.4	(Z)	(S)	(Z)	68.3
250 or more	(S)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	99.3
Not reported	(S)	(Z)	(Z)	(S)	(Z)	(S)	(Z)	(Z)	77.2
TRUCK TYPE AND AXLE ARRANGEMENT									
Single-unit trucks	1,130.6	210.2	332.8	456.5	100.8	20.8	(S)	.3	.6
2 axles	1,123.4	208.0	330.8	454.9	100.1	20.1	(S)	.2	.6
3 axles	6.2	2.1	1.8	1.2	.6	.6	.1	(S)	6.8
4 axles or more	1.0	.2	.3	.4	(S)	(S)	(S)	(Z)	16.1
Combinations	43.7	2.4	(S)	10.6	4.4	5.1	6.3	6.1	14.7
Single-unit truck with trailer	13.5	.9	(S)	(S)	.2	.4	(S)	(S)	47.5
3 axles	.3	(Z)	(S)	(S)	(Z)	(S)	(Z)	(Z)	46.7
4 axles	(S)	.3	(S)	(S)	(S)	(S)	(S)	(Z)	59.3
5 axles or more	2.4	.8	.8	.8	.1	.2	(S)	(S)	15.1
Truck-tractor with single trailer	28.8	1.5	2.8	4.7	4.0	4.1	5.6	5.9	1.7
3 axles	2.9	.2	.4	1.0	.8	.2	.2	(S)	11.3
4 axles	8.4	.8	1.0	1.9	1.5	1.1	1.5	.7	6.0
5 axles or more	17.3	.7	1.3	1.8	1.7	2.7	3.9	5.1	3.4
Truck-tractor with double trailers	1.8	(Z)	(Z)	.2	(S)	.6	.6	.2	15.0
5 axles	.2	(Z)	(Z)	(Z)	(S)	(S)	(S)	(S)	49.3
6 axles	.2	(Z)	(Z)	(S)	(Z)	(S)	(Z)	(S)	40.2
7 axles or more	1.2	(Z)	(Z)	(S)	(S)	.5	.5	(S)	17.4
Truck-tractor with triple trailers	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7 axles	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
8 axles or more	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Trailer not specified	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Powered axles	1,174.4	212.7	341.4	467.4	105.2	25.8	15.5	6.4	(Z)
1	929.3	164.2	257.4	390.4	81.5	22.2	(S)	2.2	2.6
2	237.9	46.8	80.9	75.8	23.0	3.2	4.1	4.1	11.0
3 or more	.9	.1	.3	.2	(S)	(S)	(S)	(Z)	19.6
Not reported	8.3	1.5	2.7	1.0	.5	.4	.1	(S)	10.0
CAB TYPE[4]									
Cab forward of engine	3.9	.8	.8	.7	.4	.5	.4	.7	11.3
Cab over engine	17.7	2.8	2.1	3.1	2.0	2.3	2.2	3.2	4.7
Short-hood conventional	30.2	8.8	7.1	7.2	3.3	3.1	1.8	.9	3.9
Medium-hood conventional	41.9	13.2	9.8	9.8	4.2	2.8	2.1	.5	3.1
Long-hood conventional	11.2	3.7	1.8	2.3	.9	.7	.8	1.0	7.0
Cab beside engine	.5	(S)	(S)	(S)	(S)	(Z)	(Z)	(Z)	39.1
Other	85.0	15.5	21.6	23.1	.9	(S)	(Z)	(S)	21.8
Not reported	1,004.0	189.9	298.3	421.4	93.3	(S)	(S)	(S)	1.4

See footnotes at end of table.

Table 5. **Trucks by Annual Mileage Class: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Annual miles[1]							Relative standard error of estimate (percent) for total
		Less than 5,000	5,000 to 9,999	10,000 to 19,999	20,000 to 29,999	30,000 to 49,999	50,000 to 74,999	75,000 or more	
PICKUPS, PANELS, VANS, UTILITIES, AND STATION WAGONS									
Total	1,045.6	175.7	314.7	438.0	83.1	16.2	(S)	(Z)	.8
Pickups	674.9	131.3	213.4	263.1	53.4	(S)	(S)	(Z)	1.5
Panels or vans	192.5	14.0	31.6	115.3	21.1	(S)	(S)	(Z)	9.4
Utilities	73.7	18.4	21.0	24.7	(S)	(S)	(Z)	(Z)	19.8
Station wagons	104.5	13.9	48.8	34.6	(S)	(Z)	(Z)	(Z)	15.8
Driving wheels	1,045.2	175.3	314.7	438.0	83.0	16.2	(S)	(Z)	.8
4-wheel drive	205.1	43.5	78.0	63.0	20.5	(Z)	(Z)	(Z)	12.5
2-wheel drive	617.4	131.6	232.2	361.4	67.9	16.2	(S)	(Z)	3.4
Front-wheel drive	22.8	(Z)	(S)	(S)	(S)	(Z)	(Z)	(Z)	44.1

NOTE: Because the sample is designed to measure the number of trucks and not all of the specific vehicular and operational characteristics of those trucks, some data cells may have high relative standard errors of estimate (RSEs). For Michigan, 74.9 of the cells have RSEs greater than 10 percent, and 50.0 of the cells have RSEs greater than 25 percent.

[1]When no response was obtained for annual miles, data were imputed.
[2]Detail does not add to totals because items were not applicable or multiple responses were possible.
[3]When no response was obtained, one truck was imputed based on body type of sampled vehicle.
[4]Pickups, panels, and vans are not included.

Table 6. Trucks by Range of Operation: 1982

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Range of operation					Relative standard error of estimate (percent) for total
		Local	Short-range	Long-range	Off-the-road	Not reported	
Total	1,174.4	886.3	144.3	52.8	89.9	1.1	(Z)
Relative standard error (percent)	(Z)	3.2	14.9	24.6	19.6	24.8	(Z)
MAJOR USE							
Agriculture	94.0	60.4	(S)	(S)	15.4	(Z)	18.9
Forestry and lumbering	1.9	1.3	(S)	(S)	.5	(Z)	18.7
Mining and quarrying	(S)	(S)	(Z)	(Z)	(S)	(Z)	92.7
Construction	86.5	63.3	18.1	.3	(S)	(Z)	16.7
Manufacturing	29.9	20.0	3.3	1.2	(S)	(Z)	28.7
Wholesale trade	20.0	9.0	3.6	(S)	(S)	(Z)	24.8
Retail trade	36.3	30.2	(S)	(S)	(S)	(Z)	27.5
For-hire transportation	18.5	5.5	3.7	6.8	.4	(Z)	4.2
Utilities	31.8	21.5	(S)	(Z)	.3	(Z)	30.9
Services	64.0	46.1	(S)	(S)	(S)	(Z)	22.9
Daily rental	3.1	2.4	.6	(S)	(S)	(Z)	13.9
Personal transportation	772.3	621.7	77.1	24.0	49.5	(Z)	3.6
Other	(S)	(S)	(S)	(S)	(Z)	(Z)	96.7
Not in use	(S)	(S)	(S)	(S)	(S)	1.1	60.5
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
BODY TYPE							
Pickup	874.9	530.7	71.5	22.6	50.0	(Z)	1.5
Panel or van	192.5	133.2	24.5	17.4	17.5	(Z)	9.4
Utility	73.7	50.1	(S)	(Z)	(S)	.3	19.6
Station wagon	104.5	87.1	13.9	(Z)	(S)	(Z)	15.6
Multistop or walk-in	12.5	3.5	(S)	(S)	(Z)	(Z)	45.8
Platform with added devices	7.4	5.3	1.1	(S)	.9	(Z)	9.0
Low boy or depressed center	1.8	1.0	.4	.1	(S)	(Z)	16.5
Basic platform	30.3	24.8	2.8	.7	2.2	(S)	15.4
Livestock truck	.4	.3	(S)	(Z)	(Z)	(Z)	40.7
Insulated nonrefrigerated van	.9	.7	(S)	(Z)	(Z)	(Z)	26.1
Insulated refrigerated van	3.5	2.0	1.2	.4	(Z)	(Z)	12.2
Drop-frame van	1.2	.5	.2	.5	(S)	(Z)	21.3
Open-top van	.7	.4	(Z)	(S)	.3	(Z)	31.0
Basic enclosed van	24.9	11.8	8.1	4.2	.7	.3	3.9
Beverage	2.5	2.2	.3	(S)	(Z)	(Z)	13.9
Public utility	4.0	3.4	(S)	(Z)	.4	(Z)	12.8
Winch or crane	1.4	.9	(S)	(Z)	(S)	(Z)	20.0
Wrecker	3.1	2.7	(S)	(Z)	(S)	(Z)	14.9
Pole or logging	.2	(S)	(Z)	(Z)	(S)	(Z)	44.9
Auto transport	3.3	.3	.2	2.8	(Z)	(Z)	10.4
Service truck	3.9	3.3	.4	(Z)	(S)	(S)	13.5
Yard tractor	.8	.2	(S)	(Z)	.2	(S)	24.5
Oilfield truck	.3	(S)	(S)	(Z)	(S)	(Z)	44.5
Cargo container chassis	.3	.1	.2	(S)	(Z)	(Z)	32.9
Grain body	1.4	1.2	(S)	(Z)	(S)	(Z)	22.4
Garbage hauler	1.9	1.8	(S)	(S)	(S)	(Z)	15.4
Dump truck	15.4	13.2	.3	(Z)	1.6	(S)	29.8
Tank truck (liquids or gases)	5.5	4.3	.9	.3	(S)	(Z)	9.3
Tank truck (dry bulk)	.8	.6	(S)	(S)	(S)	(Z)	24.8
Concrete mixer	.8	.8	(Z)	(Z)	(S)	(Z)	18.5
Other	(S)	(S)	(Z)	(S)	(Z)	(Z)	77.2
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
ANNUAL MILES[1]							
Less than 5,000	212.7	149.0	24.6	(S)	34.5	1.1	11.8
5,000 to 9,999	341.4	264.3	48.4	(S)	24.0	(Z)	9.0
10,000 to 19,999	487.4	372.8	43.7	24.5	26.5	(Z)	7.0
20,000 to 29,999	105.2	77.3	19.3	(S)	(S)	(Z)	17.6
30,000 to 49,999	25.8	17.8	3.4	(S)	.2	(Z)	31.3
50,000 to 74,999	15.5	(S)	3.0	(S)	(Z)	(Z)	36.9
75,000 or more	8.4	.3	1.7	4.4	(Z)	(Z)	7.2
BASE OF OPERATION							
Percentage of miles traveled outside base-of-operation State:							
Less than 25 percent	895.9	702.9	99.8	(S)	78.5	.7	3.1
25 to 49 percent	42.5	22.4	(S)	15.4	(Z)	(Z)	28.0
50 to 74 percent	44.5	17.2	17.0	(S)	(S)	(Z)	27.5
75 to 100 percent	29.2	(S)	(S)	8.3	(S)	(Z)	32.1
Not reported	162.2	130.7	14.9	(S)	(S)	.4	14.0
VEHICLE SIZE							
Light	1,080.2	826.4	124.9	43.8	84.5	.7	.7
Medium	34.8	25.4	(S)	.2	1.7	.3	22.6
Light-heavy	15.9	11.7	2.5	(S)	1.5	(S)	5.8
Heavy-heavy	43.5	22.8	9.8	8.7	2.2	(Z)	1.7
AVERAGE WEIGHT (POUNDS)							
Less than 6,001	1,003.7	777.2	115.4	32.0	78.5	.6	1.6
6,001 to 10,000	78.5	49.2	(S)	(S)	(S)	(S)	18.1
10,001 to 14,000	21.8	15.2	(S)	(S)	.9	(S)	36.1
14,001 to 16,000	5.7	4.4	.9	(S)	.3	(Z)	10.6
16,001 to 19,500	7.4	5.7	.9	(S)	.5	(S)	9.2
19,501 to 26,000	15.9	11.7	2.5	(S)	1.5	(S)	5.6
26,001 to 33,000	6.3	8.1	1.3	.1	.7	(Z)	7.4
33,001 to 40,000	8.5	4.3	1.4	.3	.5	(Z)	7.7
40,001 to 50,000	8.0	4.7	1.8	.9	.6	(Z)	8.4
50,001 to 60,000	8.5	2.0	1.5	2.7	.2	(Z)	7.0
60,001 to 80,000	10.8	3.1	2.9	4.4	.2	(Z)	5.2
80,001 to 100,000	1.8	.8	.5	.2	(Z)	(Z)	15.3
100,001 to 130,000	.8	.5	(S)	(Z)	(S)	(Z)	24.6
130,001 or more	1.6	1.2	.3	(S)	(S)	(Z)	15.3
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Table 6. Trucks by Range of Operation: 1982—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Range of operation					Relative standard error of estimate (percent) for total
		Local	Short-range	Long-range	Off-the-road	Not reported	
TOTAL LENGTH (FEET)							
Less than 7.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7.0 to 9.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
10.0 to 12.9	87.3	29.9	29.0	(Z)	(S)	.3	23.4
13.0 to 15.9	203.5	181.3	18.8	(S)	19.9	(S)	12.4
18.0 to 19.9	763.0	602.8	71.9	36.7	51.5	(S)	3.9
20.0 to 27.9	88.9	82.4	13.8	(S)	(S)	.3	15.5
28.0 to 35.9	18.0	14.7	2.0	.4	.9	(S)	25.8
36.0 to 40.9	3.4	2.5	.8	(Z)	(S)	(Z)	11.8
41.0 to 44.9	1.1	1.1	(S)	(Z)	(Z)	(Z)	20.8
45.0 or more	29.2	11.7	8.1	8.8	.7	(S)	1.9
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
YEAR MODEL							
1983	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
1982	29.9	18.7	(S)	(S)	(Z)	(Z)	34.7
1981	71.3	44.3	(S)	(S)	(S)	(S)	23.0
1980	46.8	39.1	1.8	1.3	(S)	(Z)	27.3
1979	183.3	138.7	34.7	(S)	.4	(Z)	13.2
1978	183.8	128.5	42.7	(S)	(S)	(Z)	13.0
1977	113.8	82.0	18.3	(S)	(S)	(Z)	17.1
1976	112.4	97.0	(S)	.4	(S)	(Z)	17.9
1975	49.4	30.4	1.8	(S)	(S)	(Z)	26.1
1974	91.3	84.3	(S)	.5	.5	(S)	19.8
1973	60.9	47.1	(S)	.8	(S)	(Z)	23.2
Pre-1973	227.0	171.4	(S)	(S)	40.2	.9	11.4
Not reported	(S)	(S)	(Z)	(S)	(Z)	(Z)	99.1
VEHICLE ACQUISITION							
Purchased new	648.4	481.4	82.2	47.7	38.9	(S)	5.1
Purchased used	511.3	395.1	57.8	(S)	52.8	.9	8.5
Leased from someone else	13.8	(S)	(S)	.3	.4	(Z)	43.5
Not reported	.9	.7	(S)	(Z)	(Z)	(Z)	26.3
LEASE CHARACTERISTICS[2]							
Leased without driver	13.5	(S)	(S)	.3	.4	(Z)	44.4
Leased with driver	(S)	(S)	(Z)	(Z)	(Z)	(Z)	98.7
Leased with owner-operator	(S)	(S)	(S)	(Z)	(Z)	(Z)	70.2
Provisions of lease	9.9	(S)	.5	.3	.3	(Z)	49.5
Financing (no maintenance)	(S)	(S)	.5	.3	.3	(Z)	51.5
Financing (full maintenance)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Other	.4	.3	(S)	(Z)	(Z)	(Z)	37.2
OPERATOR CLASSIFICATION							
Not for hire:							
Private owner or individual	1,149.7	873.7	139.8	45.8	89.5	.9	.4
For hire	20.0	8.1	4.4	7.0	.4	(S)	4.0
Motor carrier	15.0	4.8	3.4	6.4	.4	(S)	4.4
Owner-operator	1.7	.8	.4	.4	(S)	(S)	18.8
Daily rental	3.1	2.4	.8	(S)	(S)	(Z)	13.9
Mixed—for hire/not for hire	(S)	(S)	(Z)	(S)	(Z)	(Z)	60.3
For-hire interstate	9.7	1.0	2.0	6.8	(S)	(S)	5.5
Exempt carrier	1.4	1.3	(S)	(Z)	(Z)	(Z)	21.2
Contract carrier	.7	.2	(S)	.2	(Z)	(S)	25.3
Common carrier	11.5	4.0	2.8	4.7	(S)	(Z)	5.3
For-hire intrastate	2.8	1.1	1.5	(S)	(Z)	(Z)	12.2
For-hire local	4.7	3.9	.3	(S)	.3	(S)	10.4
PRODUCTS CARRIED							
Farm products	40.7	21.9	(S)	(S)	(S)	(Z)	26.8
Live animals	(S)	(S)	(S)	(S)	(S)	(Z)	50.1
Mining products	.4	.3	(Z)	(S)	(S)	(Z)	38.2
Logs and other forest products	(S)	1.0	(S)	(S)	(S)	(Z)	61.1
Lumber and fabricated wood products	3.0	2.3	.3	(S)	(S)	(Z)	14.6
Processed foods	17.7	8.8	3.1	(S)	(S)	(Z)	28.0
Textile mill products	(S)	(S)	.3	(S)	(S)	(Z)	78.2
Building materials	22.7	20.3	1.0	(S)	1.2	(Z)	28.4
Household goods	2.7	2.0	.2	.5	(S)	(Z)	15.6
Furniture or hardware	(S)	(S)	.1	(S)	° (Z)	(Z)	62.6
Paper products	(S)	(S)	.5	(S)	(S)	(Z)	62.3
Chemicals	(S)	(S)	.9	.3	.5	(Z)	51.5
Petroleum	7.5	(S)	.4	(S)	(Z)	(Z)	46.9
Plastics and/or rubber	1.4	1.0	.3	(S)	(Z)	(Z)	21.7
Primary metal products	2.2	1.1	.7	.2	.1	(Z)	14.7
Fabricated metal products	14.1	12.4	1.1	.4	(S)	(Z)	40.7
Machinery, elect or nonelect	11.9	(S)	1.0	.3	(S)	(Z)	48.3
Transportation equipment	14.5	9.4	1.3	3.4	.3	(Z)	31.6
Scrap, refuse, or garbage	8.8	5.8	.5	(S)	.7	(Z)	8.7
Mixed cargoes	27.3	17.3	(S)	2.1	.3	(Z)	32.9
Craftsman's equipment	74.1	46.9	22.2	(S)	(S)	(Z)	21.1
Personal transportation	772.3	621.7	77.1	24.0	49.5	(Z)	3.8
No load carried	78.3	60.5	(S)	(Z)	(S)	(Z)	22.3
Not in use	(S)	(S)	(S)	(S)	(S)	1.1	70.9
Other	15.5	(S)	(S)	(S)	(S)	(Z)	44.5
Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

See footnotes at end of table.

Table 6. **Trucks by Range of Operation: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Range of operation					Relative standard error of estimate (percent) for total
		Local	Short-range	Long-range	Off-the-road	Not reported	
HAZARDOUS MATERIALS CARRIED							
Hazardous materials carried	9.9	5.2	2.4	2.0	.3	(Z)	8.3
Less than 25 percent of time	5.4	2.1	1.3	1.8	(S)	(Z)	8.0
25 to 49 percent of time	1.9	1.1	.5	(S)	(S)	(Z)	17.2
50 to 74 percent of time	.3	(S)	.2	(Z)	(Z)	(Z)	42.7
75 to 100 percent of time	2.4	1.9	.4	(S)	(Z)	(Z)	13.8
No percent reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Types of hazardous materials	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Flammables or combustibles	6.7	4.7	2.1	1.8	(S)	(Z)	6.8
Acids, poisons, caustics, etc	4.1	1.5	1.0	1.8	(S)	(Z)	9.2
Explosives	(S)	(S)	(Z)	(Z)	(S)	(Z)	52.0
Radioactive materials	(S)	(S)	(Z)	(Z)	(Z)	(Z)	69.4
Hazardous waste	.4	.2	(S)	(S)	(Z)	(Z)	31.2
Hazardous materials not listed above	(S)	(S)	(S)	(Z)	(Z)	(Z)	56.9
Not reported	(S)	(S)	(Z)	(Z)	(S)	(Z)	69.8
No hazardous materials carried	827.0	451.0	86.8	26.8	61.9	.8	5.3
Not reported	537.5	430.1	55.3	24.1	27.7	.3	8.2
TRUCK FLEET SIZE[3]							
1	988.4	762.5	101.9	41.5	81.8	.7	2.0
2 to 5	66.2	48.4	(S)	(S)	(S)	(S)	19.5
6 to 19	56.0	43.9	(S)	.8	1.0	(S)	22.0
20 or more	81.8	31.4	22.8	8.1	1.5	(S)	18.9
MILES PER GALLON							
Less than 5	24.9	14.5	3.9	4.5	2.0	(S)	3.7
5 to 6.9	45.3	27.4	7.7	3.2	(S)	(S)	17.4
7 to 8.9	91.4	87.9	18.5	.3	(S)	(Z)	18.5
9 to 11.9	311.3	221.0	55.5	(S)	31.0	(S)	9.5
12 to 14.9	310.2	256.7	19.3	(S)	19.2	(Z)	9.4
15 to 19.9	252.9	199.7	19.7	20.5	(S)	(S)	11.2
20 or more	54.7	38.4	(S)	(S)	(S)	(Z)	27.8
Not reported	83.8	62.8	(S)	1.1	(S)	.6	20.3
EQUIPMENT TYPE							
Transmission	1,174.4	886.3	144.3	52.8	89.9	1.1	(Z)
Manual	424.8	308.5	47.7	21.1	46.4	1.0	7.1
Automatic	730.2	559.5	95.9	31.3	43.3	(S)	4.2
Not reported	19.4	18.2	.8	.4	(S)	(S)	38.7
Braking system	1,174.4	886.3	144.3	52.8	89.9	1.1	(Z)
Hydraulic	32.4	24.8	3.4	.1	3.8	.5	3.7
Hydraulic (power)	1,097.1	837.1	131.5	44.2	84.1	(S)	.1
Air	38.9	19.9	8.8	8.2	1.9	.3	1.7
Not reported	8.0	4.8	.8	.4	(S)	(S)	9.9
Power steering[2]	855.9	651.9	112.3	41.2	50.3	(S)	3.4
Air conditioning[2]	288.8	200.7	40.7	24.0	23.3	(S)	9.3
Engine retarder[2]	2.4	1.8	.4	.2	.2	(Z)	14.7
Reflective materials[2]	13.9	9.7	2.0	1.5	.8	(Z)	8.2
FUEL CONSERVATION EQUIPMENT[2]							
Aerodynamic features	5.9	2.4	2.2	1.2	(S)	(Z)	9.2
Axle or drive ratio	18.8	10.7	3.5	3.1	1.4	(S)	5.0
Fuel economy engine	11.9	8.4	2.2	3.2	.2	(Z)	5.8
Radial tires	402.8	263.9	80.8	34.2	23.7	(S)	7.7
Road speed governor	26.7	18.3	8.3	2.8	1.4	(S)	3.9
Variable fan drives	18.8	7.9	3.7	4.8	.4	(S)	4.8
Other fuel conservation devices	2.8	1.3	1.0	.4	(S)	(Z)	12.9
Not reported	741.8	601.7	57.5	17.2	64.3	1.0	4.2
MAINTENANCE							
General maintenance:							
Owner	781.1	603.8	81.0	33.7	62.4	.4	3.8
Company's maintenance facilities	104.8	70.2	22.4	9.8	2.1	(S)	14.3
Dealership's service department	118.8	78.2	29.4	(S)	(S)	(S)	18.1
Leasing company	(S)	(S)	.4	.5	(Z)	(Z)	60.8
Independent garage	239.7	168.7	44.5	1.1	25.2	(S)	11.1
Component distributorship	(S)	(S)	(S)	(S)	(S)	(Z)	91.4
Other	(S)	(S)	(S)	(S)	(S)	(S)	83.3
Not reported	59.6	53.3	1.2	(S)	(S)	.3	23.2
Major overhauls:							
Owner	265.7	225.9	(S)	(S)	18.8	(S)	10.7
Company's maintenance facilities	58.4	34.9	14.1	8.0	1.2	(S)	17.9
Dealership's service department	144.8	94.2	23.7	(S)	(S)	(Z)	14.7
Leasing company	(S)	(S)	.3	.4	(Z)	(Z)	78.1
Independent garage	234.1	170.4	32.1	(S)	22.9	(S)	11.2
Component distributorship	1.4	.5	.3	.4	(S)	(Z)	18.7
Other	(S)	(S)	(S)	(S)	(S)	(Z)	55.7
Not reported	501.7	378.7	64.9	17.4	40.0	.7	8.8

See footnotes at end of table.

Table 6. **Trucks by Range of Operation: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Range of operation					Relative standard error of estimate (percent) for total
		Local	Short-range	Long-range	Off-the-road	Not reported	
ENGINE TYPE AND SIZE							
Engine	1,174.4	886.3	144.3	52.8	89.9	1.1	(Z)
Gasoline	1,116.6	847.7	134.5	44.2	89.2	1.0	.9
Diesel	52.4	33.5	9.5	8.8	.7	(S)	17.1
LPG or other	(S)	(S)	.3	(S)	(S)	(Z)	66.0
Not reported	(S)	(S)	(Z)	(Z)	(Z)	(Z)	77.2
Cylinders	1,174.4	886.3	144.3	52.8	89.9	1.1	(Z)
4	51.2	40.7	(S)	(Z)	(S)	.3	26.0
6	267.7	189.5	39.7	22.9	35.4	(S)	10.3
8	850.8	675.0	99.8	29.8	45.7	.6	3.5
Other	(S)	(S)	(Z)	(Z)	(Z)	(Z)	53.2
Not reported	(S)	.8	.2	(S)	(S)	(Z)	78.4
Cubic inch displacement	1,174.3	886.2	144.3	52.8	89.9	1.1	(Z)
Gasoline engines	1,118.8	847.7	134.5	44.2	89.2	1.0	.9
Less than 200	49.1	40.2	(S)	(Z)	.5	(S)	28.7
200 to 299	123.0	66.8	21.6	(S)	20.9	(S)	16.8
300 to 349	311.4	250.4	32.2	17.2	(S)	(S)	9.8
350 to 399	477.1	377.6	50.7	(S)	36.9	(S)	8.9
400 or more	85.8	64.9	(S)	(S)	(S)	(S)	19.7
Not reported	70.4	45.8	(S)	(Z)	(S)	.4	22.6
Diesel engines	52.4	33.5	9.5	8.8	.7	(S)	17.1
Less than 400	18.4	(S)	.8	.5	(S)	(Z)	47.5
400 to 599	18.8	9.4	3.3	3.8	.2	(Z)	27.2
600 to 799	5.8	4.2	1.1	.3	.1	(S)	7.8
800 or more	11.0	3.7	3.4	3.7	.2	(S)	5.0
Not reported	2.5	1.1	.9	.4	(S)	(Z)	12.0
Other engines	(S)	(S)	.3	(S)	(S)	(Z)	66.0
Less than 400	(S)	(S)	.3	(Z)	(Z)	(Z)	89.7
400 or more	.3	.2	(Z)	(Z)	(S)	(Z)	40.9
Not reported	(S)	(Z)	(Z)	(S)	(Z)	(Z)	98.2
Horsepower	1,174.3	886.2	144.3	52.8	89.9	1.1	(Z)
Gasoline engines	1,118.8	847.7	134.5	44.2	89.2	1.0	.9
Less than 100	43.2	34.6	(S)	(Z)	.5	(Z)	30.4
100 to 199	803.0	602.8	95.5	40.4	63.9	.5	3.6
200 to 249	166.4	142.6	(S)	.2	(S)	(S)	13.9
250 or more	33.8	21.7	(S)	(S)	(S)	(S)	33.6
Not reported	70.3	46.0	(S)	(S)	(S)	.4	22.8
Diesel engines	52.4	33.5	9.5	8.8	.7	(S)	17.1
Less than 250	28.2	21.3	3.8	2.9	.4	(S)	27.7
250 to 349	11.8	4.1	3.5	4.0	.3	(Z)	4.8
350 to 449	5.3	2.4	1.8	1.3	(S)	(Z)	7.9
450 or more	.7	.3	.2	.2	(Z)	(S)	23.2
Not reported	(S)	(S)	.7	.3	(S)	(Z)	71.0
Other engines	(S)	(S)	.3	(S)	(S)	(Z)	66.0
Less than 250	(S)	(S)	.3	(Z)	(S)	(Z)	66.3
250 or more	(S)	(S)	(Z)	(Z)	(Z)	(Z)	99.3
Not reported	(S)	(S)	(Z)	(S)	(Z)	(Z)	77.2
TRUCK TYPE AND AXLE ARRANGEMENT							
Single-unit trucks	1,130.8	861.2	135.3	44.2	89.0	1.0	.6
2 axles	1,123.4	855.7	134.8	44.1	66.0	.9	.6
3 axles	8.2	4.8	.5	(S)	.9	(S)	6.8
4 axles or more	1.0	.9	(S)	(S)	(S)	(Z)	16.1
Combinations	43.7	25.1	9.0	8.6	1.0	(S)	14.7
Single-unit truck with trailer	13.5	(S)	.5	(S)	.2	(S)	47.5
3 axles	.3	(S)	(S)	(Z)	(Z)	(Z)	46.7
4 axles	(S)	(S)	.3	(S)	(S)	(Z)	59.3
5 axles or more	2.4	2.1	(S)	(S)	(S)	(S)	15.1
Truck-tractor with single trailer	28.8	11.8	8.0	8.4	.7	(S)	1.7
3 axles	2.9	1.9	.8	(S)	(S)	(Z)	11.3
4 axles	8.4	4.3	2.1	1.7	.3	(S)	8.0
5 axles or more	17.3	5.3	5.0	8.8	.3	(Z)	3.4
Truck-tractor with double trailers	1.6	1.0	.5	.2	(S)	(Z)	15.0
5 axles	.2	(S)	(S)	(Z)	(Z)	(Z)	49.3
8 axles	.2	(S)	(S)	(S)	(Z)	(Z)	40.2
7 axles or more	1.2	.9	.2	(S)	(S)	(Z)	17.4
Truck-tractor with triple trailers	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
7 axles	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
8 axles or more	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Trailer not specified	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Powered axles	1,174.4	886.3	144.3	52.8	89.9	1.1	(Z)
1	929.3	697.1	122.8	46.0	60.8	.8	2.8
2	237.9	183.2	20.7	4.8	29.0	.3	11.0
3 or more	.9	.7	(S)	(S)	(S)	(Z)	19.8
Not reported	8.3	5.3	.7	(S)	(S)	(Z)	10.0
CAB TYPE[4]							
Cab forward of engine	3.9	2.0	.4	1.3	(S)	(Z)	11.3
Cab over engine	17.7	8.5	5.0	3.3	.7	(S)	4.7
Short-hood conventional	30.2	21.7	4.4	1.7	2.1	.3	3.9
Medium-hood conventional	41.9	32.2	5.5	1.4	2.8	(S)	3.1
Long-hood conventional	11.2	7.0	1.8	1.3	1.3	(S)	7.0
Cab beside engine	.5	.3	(S)	(Z)	(S)	(Z)	39.1
Other	85.0	42.5	(S)	(S)	(S)	.3	21.8
Not reported	1,004.0	771.9	122.7	36.9	72.3	(S)	1.4

See footnotes at end of table.

Table 6. **Trucks by Range of Operation: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

Vehicular and operational characteristics	Total	Range of operation					Relative standard error of estimate (percent) for total
		Local	Short-range	Long-range	Off-the-road	Not reported	
PICKUPS, PANELS, VANS, UTILITIES, AND STATION WAGONS							
Total	1,045.6	801.1	121.7	40.0	82.5	.3	.8
Pickups	674.9	530.7	71.5	22.6	50.0	(Z)	1.5
Panels or vans	192.5	133.2	24.5	17.4	17.5	(Z)	9.4
Utilities	73.7	50.1	(S)	(Z)	(S)	.3	19.6
Station wagons	104.5	67.1	13.9	(Z)	(S)	(Z)	15.6
Driving wheels	1,045.2	800.9	121.7	40.0	82.4	(S)	.8
4-wheel drive	205.1	162.6	(S)	(Z)	27.5	(Z)	12.5
2-wheel drive	617.4	615.6	106.7	40.0	54.9	(S)	3.4
Front-wheel drive	22.6	22.6	(Z)	(Z)	(Z)	(Z)	44.1

NOTE: Because the sample is designed to measure the number of trucks and not all of the specific vehicular and operational characteristics of those trucks, some data cells may have high relative standard errors of estimate (RSEs). For Michigan, 68.1 of the cells have RSEs greater than 10 percent, and 46.2 of the cells have RSEs greater than 25 percent.

[1]When no response was obtained for annual miles, data were imputed.
[2]Detail does not add to totals because items were not applicable or multiple responses were possible.
[3]When no response was obtained, one truck was imputed based on body type of sampled vehicle.
[4]Pickups, panels, and vans are not included.

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Table 7. Trucks by Truck Type and Axle Arrangement: 1982

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Truck type and axle arrangement							
			Single-unit trucks				Combinations			
								Single-unit truck with trailer		
			Total	2 axles	3 axles	4 axles or more	Total	3 axles	4 axles	5 axles or more
1	Total	1,174.4	1,130.6	1,123.4	6.2	1.0	43.7	.3	(S)	2.4
2	Relative standard error (percent)	(Z)	.6	.6	6.6	16.1	14.7	46.7	59.3	15.1
	MAJOR USE									
3	Agriculture	94.0	93.1	91.6	1.3	.1	.8	(Z)	(S)	(S)
4	Forestry and lumbering	1.9	1.7	1.6	(S)	(S)	.2	(Z)	(S)	(S)
5	Mining and quarrying	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(Z)
6	Construction	86.5	82.5	80.0	1.8	.7	4.1	(S)	.6	1.1
7	Manufacturing	29.9	24.2	23.5	.6	(S)	5.7	(S)	(S)	(S)
8	Wholesale trade	20.0	15.5	15.0	.4	(Z)	4.6	(Z)	(S)	(Z)
9	Retail trade	36.3	30.1	29.7	.2	(S)	(S)	(Z)	(S)	(S)
10	For-hire transportation	16.5	3.0	2.5	.4	(S)	13.5	(S)	(Z)	(S)
11	Utilities	31.8	30.0	29.8	.1	(Z)	1.8	(S)	.5	.8
12	Services	64.0	58.6	57.7	.9	(S)	(S)	(Z)	(S)	(S)
13	Daily rental	3.1	2.2	2.2	(S)	(Z)	.9	(Z)	(Z)	(S)
14	Personal transportation	772.3	772.2	772.2	(Z)	(Z)	(S)	(Z)	(S)	(S)
15	Other	(S)	(S)	(S)	(Z)	(Z)	(S)	(Z)	(S)	(Z)
16	Not in use	(S)	(S)	(S)	(S)	(Z)	.1	(Z)	(Z)	(S)
17	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	BODY TYPE									
18	Pickup	674.9	665.6	665.8	(Z)	(Z)	(S)	(Z)	(S)	(Z)
19	Panel or van	192.5	192.5	192.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
20	Utility	73.7	73.7	73.7	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
21	Station wagon	104.5	104.5	104.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
22	Multistop or walk-in	12.5	12.5	12.5	(Z)	(Z)	(S)	(S)	(Z)	(Z)
23	Platform with added devices	7.4	6.7	6.0	.7	(S)	.6	(Z)	(S)	(S)
24	Low boy or depressed center	1.6	(Z)	(Z)	(Z)	(Z)	1.6	(S)	.2	(S)
25	Basic platform	30.3	26.0	24.9	1.1	(S)	4.2	(S)	.6	.6
26	Livestock truck	.4	.4	.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
27	Insulated nonrefrigerated van	.9	.6	.6	(Z)	(Z)	.2	(Z)	(Z)	(Z)
28	Insulated refrigerated van	3.5	2.2	2.0	.3	(Z)	1.3	(Z)	(Z)	(Z)
29	Drop-frame van	1.2	.4	.4	(Z)	(Z)	.7	(Z)	(Z)	(Z)
30	Open-top van	.7	.6	.5	(S)	(Z)	(S)	(Z)	(Z)	(Z)
31	Basic enclosed van	24.9	11.1	10.6	.5	(Z)	13.8	(S)	(Z)	(S)
32	Beverage	2.5	.7	.7	(Z)	(Z)	1.8	(Z)	(Z)	(Z)
33	Public utility	4.0	3.2	3.1	.1	(Z)	.8	(Z)	.3	.4
34	Winch or crane	1.4	1.2	.8	.4	(S)	(S)	(Z)	(Z)	(S)
35	Wrecker	3.1	3.1	3.0	(S)	(Z)	(S)	(Z)	(Z)	(Z)
36	Pole or logging	.2	(S)	(S)	(S)	(S)	(S)	(Z)	(Z)	(Z)
37	Auto transport	3.3	(S)	(S)	(S)	(Z)	3.2	(Z)	(Z)	(Z)
38	Service truck	3.9	3.7	3.7	(Z)	(Z)	(S)	(Z)	(S)	(S)
39	Yard tractor	.6	(S)	(S)	(Z)	(Z)	.6	(Z)	(Z)	(Z)
40	Oilfield truck	.3	.3	.3	(Z)	(Z)	(S)	(Z)	(Z)	(S)
41	Cargo container chassis	.3	(S)	(S)	(S)	(Z)	.3	(Z)	(Z)	(Z)
42	Grain body	1.4	1.4	1.1	.2	(S)	(Z)	(Z)	(Z)	(Z)
43	Garbage hauler	1.9	1.7	1.1	.7	(S)	.2	(Z)	(Z)	(Z)
44	Dump truck	15.4	13.0	11.3	1.5	.1	2.4	(S)	.3	.8
45	Tank truck (liquids or gases)	5.5	3.5	3.2	.3	(S)	2.0	(Z)	(Z)	(S)
46	Tank truck (dry bulk)	.8	.4	.4	(S)	(Z)	.4	(Z)	(Z)	(Z)
47	Concrete mixer	.8	.8	(Z)	.2	.6	(Z)	(Z)	(Z)	(Z)
48	Other	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
49	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	ANNUAL MILES[1]									
50	Less than 5,000	212.7	210.2	208.0	2.1	.2	2.4	(Z)	.3	.6
51	5,000 to 9,999	341.4	332.8	330.8	1.6	.3	(S)	(S)	(S)	.6
52	10,000 to 19,999	467.4	456.5	454.9	1.2	.4	10.8	(S)	(S)	.8
53	20,000 to 29,999	105.2	100.8	100.1	.6	(S)	4.4	(Z)	(S)	.1
54	30,000 to 49,999	25.8	20.8	20.1	.6	(S)	5.1	(S)	(S)	.2
55	50,000 to 74,999	15.5	(S)	(S)	.1	(S)	6.3	(Z)	(S)	(S)
56	75,000 or more	6.4	.3	.2	(S)	(Z)	6.1	(Z)	(Z)	(S)
	RANGE OF OPERATION									
57	Local	886.3	861.2	855.7	4.6	.9	25.1	(S)	(S)	2.1
58	Short-range (Less than 201 miles)	144.3	135.3	134.8	.5	(S)	9.0	(S)	.3	(S)
59	Long-range (201 miles or more)	52.8	44.2	44.1	(S)	(S)	8.6	(Z)	(S)	(S)
60	Off-the-road	89.9	89.0	86.0	.9	(S)	1.0	(Z)	(S)	(S)
61	Not reported	1.1	1.0	.9	(S)	(Z)	(S)	(Z)	(Z)	(S)
	BASE OF OPERATION									
	Percentage of miles traveled outside base-of-operation State:									
62	Less than 25 percent	895.9	872.0	865.8	5.3	.9	23.9	.3	(S)	1.8
63	25 to 49 percent	42.5	41.5	41.4	(S)	(S)	1.1	(Z)	(Z)	(Z)
64	50 to 74 percent	44.5	40.8	40.5	(S)	(S)	3.9	(Z)	(S)	(S)
65	75 to 100 percent	29.2	24.2	24.1	(S)	(Z)	5.0	(Z)	(S)	(S)
66	Not reported	162.2	152.4	151.8	.7	(S)	9.9	(Z)	(S)	.5
	VEHICLE SIZE									
67	Light	1,080.2	1,079.8	1,079.8	(Z)	(Z)	.4	(S)	(S)	(S)
68	Medium	34.8	24.3	23.7	.5	(S)	(S)	(S)	(S)	(S)
69	Light-heavy	15.9	13.9	13.2	.8	(S)	2.0	(Z)	.4	.5
70	Heavy-heavy	43.5	12.7	8.7	5.1	.9	30.9	(S)	.6	1.7

See footnotes at end of table.

Truck type and axle arrangement—Con.										
Combinations—Con.										
Truck-tractor with single trailer			Truck-tractor with double trailers			Truck-tractor with triple trailers				
3 axles	4 axles	5 axles or more	5 axles	6 axles	7 axles or more	7 axles	6 axles or more	Trailer not specified	Relative standard error of estimate (percent) for total	
2.9	6.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	1
11.3	6.0	3.4	49.3	40.2	17.4	(Z)	(Z)	(Z)	(Z)	2
(S)	(S)	.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	16.9	3
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	18.7	4
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	92.7	5
.2	.5	1.1	(Z)	(S)	.4	(Z)	(Z)	(Z)	18.7	8
.4	1.4	3.4	(S)	(S)	(S)	(Z)	(Z)	(Z)	28.7	7
1.0	1.4	1.6	(Z)	(Z)	.3	(Z)	(Z)	(Z)	24.8	8
.2	.6	.6	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	27.5	9
1.0	3.5	6.3	(S)	(S)	.4	(Z)	(Z)	(Z)	4.2	10
(Z)	.2	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	30.9	11
(S)	.2	.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.9	12
(Z)	.4	.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13.9	13
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	3.6	14
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	96.7	15
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	60.5	16
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	17
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1.5	18
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.4	19
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	19.8	20
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15.6	21
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	45.6	22
(Z)	(Z)	.3	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	9.0	23
(S)	.3	.7	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	16.5	24
.2	.8	1.9	(Z)	(S)	(S)	(Z)	(Z)	(Z)	15.4	25
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	40.7	26
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	26.1	27
(S)	.3	.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	12.2	28
(S)	.5	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	21.3	29
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	31.0	30
1.2	4.3	7.9	(S)	.2	(S)	(Z)	(Z)	(Z)	3.9	31
1.1	.6	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13.9	32
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	12.8	33
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	20.0	34
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	14.9	35
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.9	36
(Z)	1.0	2.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	10.4	37
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13.5	38
(S)	.4	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	24.5	39
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.5	40
(S)	(Z)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	32.9	41
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.4	42
(Z)	(Z)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15.4	43
(S)	(S)	.6	(Z)	(Z)	.4	(Z)	(Z)	(Z)	29.8	44
(Z)	(S)	1.5	(Z)	(Z)	.4	(Z)	(Z)	(Z)	9.3	45
(Z)	(Z)	.2	(Z)	(Z)	.2	(Z)	(Z)	(Z)	24.8	46
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	18.5	47
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	77.2	48
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	49
.2	.6	.7	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	11.8	50
.4	1.0	1.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.0	51
1.0	1.9	1.6	(Z)	(S)	(S)	(Z)	(Z)	(Z)	7.0	52
.6	1.5	1.7	(S)	(Z)	(S)	(Z)	(Z)	(Z)	17.8	53
.2	1.1	2.7	(S)	(S)	.5	(Z)	(Z)	(Z)	31.3	54
.2	1.5	3.9	(S)	(Z)	.5	(Z)	(Z)	(Z)	36.9	55
(S)	.7	5.1	(S)	(S)	(S)	(Z)	(Z)	(Z)	7.2	56
1.9	4.3	5.3	(S)	(S)	.9	(Z)	(Z)	(Z)	3.2	57
.6	2.1	5.0	(S)	(S)	.2	(Z)	(Z)	(Z)	14.9	58
(S)	1.7	8.6	(Z)	(S)	(S)	(Z)	(Z)	(Z)	24.6	59
(S)	.3	.3	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	19.6	60
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	24.8	61
2.6	4.7	7.5	(S)	(S)	1.0	(Z)	(Z)	(Z)	3.1	62
(S)	(S)	.6	(S)	(Z)	(S)	(Z)	(Z)	(Z)	28.0	63
(Z)	.7	3.0	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	27.5	64
(Z)	.6	4.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	32.1	65
.2	2.3	1.6	(S)	(S)	.2	(Z)	(Z)	(Z)	14.0	66
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.7	67
.2	.3	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.6	68
.4	.6	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	5.8	69
2.3	7.6	17.1	(S)	.2	1.2	(Z)	(Z)	(Z)	1.7	70

Table 7. **Trucks by Truck Type and Axle Arrangement: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Truck type and axle arrangement							
			Single-unit trucks				Combinations			
								Single-unit truck with trailer		
			Total	2 axles	3 axles	4 axles or more	Total	3 axles	4 axles	5 axles or more
	AVERAGE WEIGHT (POUNDS)									
1	Less than 6,001	1,003.7	1,003.6	1,003.6	(Z)	(Z)	(S)	(Z)	(S)	(Z)
2	6,001 to 10,000	76.5	76.2	76.2	(Z)	(Z)	.3	(S)	(S)	(S)
3	10,001 to 14,000	21.6	12.3	12.1	(S)	(S)	(S)	(Z)	(S)	(S)
4	14,001 to 16,000	5.7	5.2	5.0	.2	(Z)	.5	(Z)	(S)	(Z)
5	16,001 to 19,500	7.4	6.9	6.6	.2	(S)	.5	(S)	(S)	(S)
6	19,501 to 26,000	15.9	13.9	13.2	.6	(S)	2.0	(Z)	.4	.5
7	26,001 to 33,000	6.3	5.6	4.7	.9	(S)	2.6	(S)	(S)	.5
8	33,001 to 40,000	6.5	2.5	1.3	1.2	(S)	4.0	(S)	(S)	.4
9	40,001 to 50,000	6.0	3.6	.6	2.7	.3	4.4	(Z)	(S)	.2
10	50,001 to 60,000	6.5	.5	(S)	.2	.3	5.9	(Z)	(S)	(S)
11	60,001 to 80,000	10.6	.5	(S)	(S)	.3	10.1	(Z)	(S)	.2
12	80,001 to 100,000	1.6	(Z)	(Z)	(Z)	(Z)	1.6	(Z)	(Z)	(S)
13	100,001 to 130,000	.6	(Z)	(Z)	(Z)	(Z)	.6	(Z)	(Z)	.2
14	130,001 or more	1.6	(Z)	(Z)	(Z)	(Z)	1.6	(Z)	(Z)	.1
15	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	TOTAL LENGTH (FEET)									
16	Less than 7.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
17	7.0 to 9.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
18	10.0 to 12.9	67.3	67.3	67.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
19	13.0 to 15.9	203.5	203.5	203.4	(S)	(Z)	(Z)	(Z)	(Z)	(Z)
20	16.0 to 19.9	783.0	783.0	782.6	.2	(Z)	(Z)	(Z)	(Z)	(Z)
21	20.0 to 27.9	88.9	83.7	60.4	3.2	.1	(S)	(S)	(S)	.2
22	26.0 to 35.9	16.0	12.3	9.0	2.6	.7	(S)	(Z)	(S)	.3
23	36.0 to 40.9	3.4	.6	.3	.2	.1	2.9	(Z)	.4	.5
24	41.0 to 44.9	1.1	(S)	(Z)	(Z)	(S)	1.1	(S)	(S)	(S)
25	45.0 or more	29.2	.3	(S)	.2	(S)	26.9	(S)	.5	1.1
26	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	YEAR MODEL									
27	1983	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
28	1982	29.9	29.3	29.3	(S)	(Z)	.6	(Z)	(Z)	(Z)
29	1981	71.3	65.1	65.0	.1	(Z)	(S)	(Z)	(S)	(Z)
30	1980	46.6	43.6	43.1	.4	.2	3.0	(S)	(S)	(S)
31	1979	183.3	173.4	172.6	.6	(S)	9.6	(S)	(S)	.5
32	1978	183.6	176.2	177.5	.6	.2	5.5	(Z)	.3	.2
33	1977	113.6	109.9	109.6	.2	(S)	3.9	(S)	(S)	.3
34	1976	112.4	110.6	110.2	.3	(S)	1.6	(Z)	(S)	(S)
35	1975	49.4	47.0	46.1	.9	(S)	2.4	(Z)	(Z)	.2
36	1974	91.3	88.6	88.0	.5	(S)	2.7	(S)	.3	(S)
37	1973	60.9	58.0	57.4	.5	.1	2.9	(Z)	(Z)	.2
38	Pre-1973	227.0	222.4	220.1	2.1	.2	4.7	(Z)	.6	.6
39	Not reported	(S)	(S)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
	VEHICLE ACQUISITION									
40	Purchased new	648.4	614.2	610.1	3.4	.7	34.2	(S)	(S)	1.1
41	Purchased used	511.3	503.5	500.6	2.6	.3	7.6	(S)	.4	1.0
42	Leased from someone else	13.6	12.4	12.2	.2	(S)	1.3	(Z)	(S)	(S)
43	Not reported	.9	.5	.5	(S)	(Z)	.4	(Z)	(Z)	(S)
	LEASE CHARACTERISTICS[2]									
44	Leased without driver	13.5	12.2	(S)	.2	(S)	1.3	(Z)	(S)	(S)
45	Leased with driver	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
46	Leased with owner-operator	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
47	Provisions of lease	9.9	(S)	(S)	.2	(S)	1.3	(Z)	(S)	(S)
48	Financing (no maintenance)	(S)	(S)	(S)	.2	(S)	1.1	(Z)	(S)	(S)
49	Financing (full maintenance)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
50	Other	.4	(S)	(S)	(Z)	(Z)	.2	(Z)	(Z)	(Z)
	OPERATOR CLASSIFICATION									
51	Not for hire: Private owner or individual	1,149.7	1,120.6	1,113.9	5.6	1.0	29.1	(S)	(S)	2.3
52	For hire	20.0	5.4	4.9	.5	(S)	14.6	(S)	(Z)	(S)
53	Motor carrier	15.0	2.5	2.1	.4	(Z)	12.5	(S)	(Z)	(S)
54	Owner-operator	1.7	.7	.6	(S)	(S)	1.1	(Z)	(Z)	(Z)
55	Daily rental	3.1	2.2	2.2	(S)	(Z)	.9	(Z)	(Z)	(S)
56	Mixed—for hire/not for hire	(S)	(S)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
57	For-hire interstate	9.7	.4	.3	(S)	(Z)	9.3	(Z)	(Z)	(S)
58	Exempt carrier	1.4	1.1	1.0	.1	(Z)	.3	(Z)	(Z)	(S)
59	Contract carrier	.7	(S)	(S)	(Z)	(Z)	.5	(Z)	(Z)	(Z)
60	Common carrier	11.5	1.6	1.5	.1	(Z)	9.9	(S)	(Z)	(S)
61	For-hire intrastate	2.6	.6	.5	(S)	(Z)	2.2	(Z)	(Z)	(S)
62	For-hire local	4.7	2.6	2.3	.3	(S)	2.1	(S)	(Z)	(Z)

See footnotes at end of table.

Truck type and axle arrangement—Con.										
Combinations—Con.										
Truck-tractor with single trailer			Truck-tractor with double trailers			Truck-tractor with triple trailers				
3 axles	4 axles	5 axles or more	5 axles	6 axles	7 axles or more	7 axles	8 axles or more	Trailer not specified	Relative standard error of estimate (percent) for total	
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1.6	1
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	18.1	2
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	38.1	3
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	10.8	4
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.2	5
.4	.6	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	5.8	6
.4	1.0	.5	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	7.4	7
.9	1.8	.6	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	7.7	8
.9	1.8	1.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	6.4	9
(S)	1.7	4.0	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	7.0	10
(Z)	1.1	8.4	(S)	.2	(S)	(Z)	(Z)	(Z)	5.2	11
(Z)	(S)	1.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	15.3	12
(Z)	(Z)	.3	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	24.8	13
(Z)	(Z)	.5	(Z)	(Z)	1.0	(Z)	(Z)	(Z)	15.3	14
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	16
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	17
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	23.4	18
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	12.4	19
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	3.9	20
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15.5	21
.2	(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	25.6	22
.8	.6	.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	11.6	23
.4	.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	20.6	24
1.8	7.3	16.6	.2	.2	1.2	(Z)	(Z)	(Z)	1.9	25
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	26
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	27
(S)	(S)	.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	34.7	28
.2	.5	1.1	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	23.0	29
.2	.5	1.8	(Z)	(S)	(S)	(Z)	(Z)	(Z)	27.3	30
.6	1.3	2.5	(S)	(Z)	(S)	(Z)	(Z)	(Z)	13.2	31
.8	1.7	2.5	(S)	(Z)	.4	(Z)	(Z)	(Z)	13.0	32
.2	1.0	2.1	(S)	(S)	(S)	(Z)	(Z)	(Z)	17.1	33
.3	.5	.8	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	17.9	34
.2	.8	1.2	(S)	(Z)	.2	(Z)	(Z)	(Z)	26.1	35
.2	.5	1.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	19.8	36
.2	.8	1.8	(Z)	(S)	(S)	(Z)	(Z)	(Z)	23.2	37
.2	1.0	2.0	(S)	(Z)	.3	(Z)	(Z)	(Z)	11.4	38
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	99.1	39
2.3	8.1	12.9	(S)	.2	.9	(Z)	(Z)	(Z)	5.1	40
.4	2.0	3.8	(Z)	(S)	.3	(Z)	(Z)	(Z)	6.5	41
.2	.2	.7	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	43.5	42
(Z)	(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	26.3	43
.2	.2	.7	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.4	44
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	98.7	45
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	70.2	46
(S)	.2	.7	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	49.5	47
(S)	.2	.8	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	51.5	48
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	49
(Z)	(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	37.2	50
1.8	4.4	8.5	(S)	.2	.7	(Z)	(Z)	(Z)	.4	51
1.0	4.0	8.8	(S)	(S)	.5	(Z)	(Z)	(Z)	4.0	52
1.0	3.3	7.8	(S)	(S)	.4	(Z)	(Z)	(Z)	4.4	53
(S)	.3	.8	(Z)	(Z)	.2	(Z)	(Z)	(Z)	16.6	54
(Z)	.4	.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13.9	55
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	60.3	56
.8	2.2	8.2	(S)	(S)	.2	(Z)	(Z)	(Z)	5.5	57
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	21.2	58
(Z)	.2	.2	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	25.3	59
1.0	2.0	8.4	(S)	(Z)	.4	(Z)	(Z)	(Z)	5.3	60
.2	.4	1.3	(Z)	(Z)	.3	(Z)	(Z)	(Z)	12.2	61
.3	1.0	.7	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	10.4	62

Table 7. **Trucks by Truck Type and Axle Arrangement: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Truck type and axle arrangement							
			Single-unit trucks				Combinations			
								Single-unit truck with trailer		
			Total	2 axles	3 axles	4 axles or more	Total	3 axles	4 axles	5 axles or more
	PRODUCTS CARRIED									
1	Farm products	40.7	39.9	38.6	1.2	.1	.8	(Z)	(S)	(S)
2	Live animals	(S)	(S)	(S)	.1	(Z)	(S)	(Z)	(S)	(Z)
3	Mining products	.4	.3	(S)	(S)	(Z)	(S)	(Z)	(Z)	(Z)
4	Logs and other forest products	(S)	(S)	(S)	.1	(S)	.2	(Z)	(Z)	(S)
5	Lumber and fabricated wood products	3.0	2.3	2.3	(S)	(Z)	.8	(S)	(Z)	(S)
6	Processed foods	17.7	13.4	13.1	.3	(Z)	4.3	(Z)	(Z)	(Z)
7	Textile mill products	(S)	(S)	(S)	(S)	(Z)	.3	(Z)	(Z)	(Z)
8	Building materials	22.7	19.7	17.5	1.8	.7	2.9	(Z)	.5	.8
9	Household goods	2.7	1.9	1.9	(Z)	(Z)	.7	(Z)	(Z)	(Z)
10	Furniture or hardware	(S)	(S)	(S)	(Z)	(Z)	.3	(Z)	(Z)	(Z)
11	Paper products	(S)	(S)	(S)	(Z)	(Z)	.5	(Z)	(Z)	(Z)
12	Chemicals	(S)	(S)	(S)	(S)	(Z)	1.1	(Z)	(Z)	(S)
13	Petroleum	7.5	(S)	(S)	.2	(S)	1.2	(Z)	(Z)	(S)
14	Plastics and/or rubber	1.4	1.0	.9	(S)	(Z)	.4	(Z)	(S)	(Z)
15	Primary metal products	2.2	.9	.6	(S)	(Z)	1.3	(Z)	(S)	(Z)
16	Fabricated metal products	14.1	12.4	12.2	.2	(Z)	1.7	(S)	(S)	(Z)
17	Machinery	11.9	(S)	(S)	(S)	(S)	2.0	(Z)	(Z)	.5
18	Transportation equipment	14.5	(S)	(S)	.2	(Z)	5.7	(Z)	(S)	(S)
19	Scrap, refuse, or garbage	8.8	5.4	4.2	1.2	(S)	1.4	(S)	(S)	(S)
20	Mixed cargoes	27.3	16.1	15.9	.1	(Z)	11.2	(S)	(S)	(Z)
21	Craftsman's equipment	74.1	72.7	72.8	.1	(Z)	1.4	(S)	.5	.8
22	Personal transportation	772.3	772.2	772.2	(Z)	(Z)	(S)	(Z)	(S)	(S)
23	No load carried	76.3	78.2	78.0	(S)	(Z)	(S)	(Z)	(Z)	(Z)
24	Not in use	(S)	(S)	(S)	(S)	(Z)	.1	(Z)	(Z)	(S)
25	Other	15.5	14.8	14.8	(S)	(Z)	.6	(Z)	(Z)	(Z)
28	Not reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	HAZARDOUS MATERIALS CARRIED									
27	Hazardous materials carried	9.9	3.3	3.1	.2	(Z)	8.7	(S)	(Z)	(Z)
28	Less than 25 percent of time	5.4	.5	.4	(S)	(Z)	4.9	(Z)	(Z)	(Z)
29	25 to 49 percent of time	1.9	1.4	1.3	(S)	(Z)	.8	(S)	(Z)	(Z)
30	50 to 74 percent of time	.3	(S)	(S)	(Z)	(Z)	.2	(Z)	(Z)	(Z)
31	75 to 100 percent of time	2.4	1.3	1.3	(S)	(Z)	1.0	(Z)	(Z)	(Z)
32	No percent reported	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
33	Types of hazardous materials[2]	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
34	Flammables or combustibles	6.7	2.9	2.8	.1	(Z)	5.8	(S)	(Z)	(Z)
35	Acids, poisons, caustics, etc.	4.1	(S)	(S)	(Z)	(Z)	4.0	(S)	(Z)	(Z)
36	Explosives	(S)	(S)	(S)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
37	Radioactive materials	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
38	Hazardous waste	.4	(S)	(S)	(S)	(Z)	.3	(Z)	(Z)	(Z)
39	Hazardous materials not listed above	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
40	Not reported	(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
41	No hazardous materials carried	627.0	590.4	583.8	5.9	1.0	36.5	(S)	(S)	2.4
42	Not reported	537.5	536.9	536.8	.2	(Z)	.5	(Z)	(Z)	(Z)
	TRUCKS FLEET SIZE[3]									
43	1	988.4	977.8	978.4	1.3	.1	10.8	(Z)	(S)	(S)
44	2 to 5	66.2	62.8	60.6	1.8	.3	3.8	(Z)	.3	.6
45	6 to 19	58.0	52.8	50.7	1.7	.3	5.3	(S)	.3	.4
46	20 or more	61.8	37.5	35.7	1.5	.3	24.3	(S)	(S)	1.0
	MILES PER GALLON									
47	Less than 5	24.9	10.0	7.5	2.1	.4	14.8	(S)	.3	.5
48	5 to 6.9	45.3	32.8	30.0	2.2	.4	12.8	(S)	.5	.8
49	7 to 8.9	91.4	84.2	83.2	1.0	(S)	(S)	(S)	(S)	.7
50	9 to 11.9	311.3	305.9	305.5	.4	(Z)	(S)	(S)	(S)	(S)
51	12 to 14.9	310.2	310.1	310.1	(Z)	(Z)	(S)	(Z)	(Z)	(S)
52	15 to 19.9	252.9	252.9	252.9	(S)	(Z)	(Z)	(Z)	(Z)	(Z)
53	20 or more	54.7	54.7	54.7	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
54	Not reported	83.8	80.2	79.8	.5	.2	3.3	(Z)	(S)	.3
	EQUIPMENT TYPE									
55	Transmission	1,174.4	1,130.8	1,123.4	8.2	1.0	43.7	.3	(S)	2.4
56	Manual	424.8	388.7	382.7	5.3	.7	36.0	.3	(S)	2.2
57	Automatic	730.2	723.8	722.8	.7	.3	(S)	(Z)	(S)	(S)
58	Not reported	19.4	18.1	17.9	.2	(S)	1.3	(Z)	(S)	(S)
59	Braking system	1,174.4	1,130.8	1,123.4	8.2	1.0	43.7	.3	(S)	2.4
60	Hydraulic	32.4	30.4	29.8	.7	(S)	2.0	(Z)	.5	.8
61	Hydraulic (power)	1,097.1	1,085.2	1,084.4	.8	(S)	(S)	(S)	(S)	.8
62	Air	38.9	10.7	5.2	4.8	.9	28.2	(S)	.3	.9
63	Not reported	6.0	4.4	4.2	.2	(S)	1.8	(Z)	(S)	(S)
64	Power steering[2]	855.9	823.7	817.8	5.1	1.0	32.2	(S)	(S)	1.8
65	Air conditioning[2]	288.8	274.8	274.8	.2	(Z)	14.0	(Z)	(S)	.1
66	Engine retarder[2]	2.4	1.3	.9	.3	(S)	1.1	(Z)	(S)	(S)
67	Reflective materials[2]	13.9	9.7	8.8	.8	.1	4.1	(S)	.3	.4
	FUEL CONSERVATION EQUIPMENT[2]									
68	Aerodynamic features	5.9	3.0	2.9	.1	(Z)	2.9	(Z)	(Z)	(S)
69	Axle or drive ratio	18.8	11.4	10.5	.7	.2	7.4	(Z)	(S)	.3
70	Fuel economy engine	11.9	4.1	3.2	.8	.2	7.8	(S)	(S)	.5
71	Radial tires	402.8	388.3	388.8	1.5	.3	14.4	(Z)	.2	.4
72	Road speed governor	26.7	15.5	12.7	2.4	.4	11.1	(Z)	.5	.8
73	Variable fan drives	16.8	5.1	4.2	.7	.2	11.4	(Z)	(S)	.4
74	Other fuel conservation devices	2.8	1.3	1.1	.1	(S)	1.5	(Z)	(S)	(S)
75	Not reported	741.8	722.0	719.0	2.8	.2	19.7	(S)	(S)	1.0

See footnotes at end of table.

Truck type and axle arrangement—Con.										
Combinations—Con.										
Truck-tractor with single trailer			Truck-tractor with double trailers			Truck-tractor with triple trailers		Trailer not specified	Relative standard error of estimate (percent) for total	
3 axles	4 axles	5 axles or more	5 axles	8 axles	7 axles or more	7 axles	8 axles or more			
(Z)	(S)	.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	26.8	1
(S)	(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	50.1	2
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	38.2	3
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	61.1	4
(S)	.2	.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	14.6	5
1.2	1.2	1.7	(S)	(S)	(Z)	(Z)	(Z)	(Z)	28.0	8
(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	78.2	7
(S)	(S)	.8	(Z)	(Z)	.8	(Z)	(Z)	(Z)	28.4	8
(S)	.5	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15.6	9
(S)	.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	62.6	10
(S)	.2	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	62.3	11
(S)	(S)	.9	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	51.5	12
(Z)	(S)	.7	(Z)	(S)	.4	(Z)	(Z)	(Z)	46.9	13
(Z)	.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	21.7	14
(Z)	.2	1.0	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	14.7	15
(S)	.7	.8	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	40.7	16
(S)	.2	1.1	(Z)	(S)	(S)	(Z)	(Z)	(Z)	48.3	17
.2	1.9	3.4	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	31.8	18
(Z)	(S)	.9	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	8.7	19
.8	1.5	4.1	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	32.9	20
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	21.1	21
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	3.8	22
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.3	23
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	70.9	24
(S)	.3	.3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.5	25
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	26
.8	1.2	4.2	(Z)	(Z)	.4	(Z)	(Z)	(Z)	6.3	27
.8	1.1	2.9	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	8.0	28
(Z)	(S)	.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	17.2	29
(Z)	(Z)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	42.7	30
(Z)	(S)	.7	(Z)	(Z)	.3	(Z)	(Z)	(Z)	13.6	31
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	32
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	33
.8	.9	3.7	(Z)	(Z)	.4	(Z)	(Z)	(Z)	6.8	34
.5	.7	2.8	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	9.2	35
(Z)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	52.0	36
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	69.4	37
(Z)	(Z)	.2	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	31.2	38
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	56.9	39
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	69.8	40
2.0	7.0	12.9	.2	.2	.8	(Z)	(Z)	(Z)	5.3	41
(S)	.2	.2	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	6.2	42
.2	1.9	2.8	(S)	.2	.2	(Z)	(Z)	(Z)	2.0	43
.2	.8	1.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	19.5	44
.3	1.5	2.3	(Z)	(Z)	.4	(Z)	(Z)	(Z)	22.0	45
2.2	4.1	10.8	(S)	(S)	.8	(Z)	(Z)	(Z)	16.9	46
.9	3.1	9.0	(Z)	(Z)	1.0	(Z)	(Z)	(Z)	3.7	47
1.6	2.8	8.9	(S)	(S)	(S)	(Z)	(Z)	(Z)	17.4	48
.2	.7	.5	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	18.5	49
(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.5	50
(Z)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	9.4	51
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	11.2	52
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	27.6	53
.2	1.6	.8	(S)	.2	(S)	(Z)	(Z)	(Z)	20.3	54
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	55
2.3	7.2	18.8	(S)	.2	1.2	(Z)	(Z)	(Z)	7.1	56
.5	.5	.5	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	4.2	57
(S)	.7	.3	(S)	(S)	(Z)	(Z)	(Z)	(Z)	38.7	56
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	59
(S)	.4	.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	3.7	60
.2	.5	.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.1	61
2.6	6.8	16.0	(S)	.2	1.2	(Z)	(Z)	(Z)	1.7	82
(S)	.8	.4	(S)	(S)	(Z)	(Z)	(Z)	(Z)	9.9	63
1.7	5.3	11.8	(Z)	(S)	1.2	(Z)	(Z)	(Z)	3.4	64
(S)	1.5	7.2	(S)	(Z)	.4	(Z)	(Z)	(Z)	9.3	65
(S)	.3	.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	14.7	66
.2	.6	2.2	(Z)	(Z)	.3	(Z)	(Z)	(Z)	6.2	67
.2	.4	2.1	(S)	(Z)	(S)	(Z)	(Z)	(Z)	9.2	68
.4	1.5	4.7	(S)	(S)	.3	(Z)	(Z)	(Z)	5.0	89
(S)	1.1	5.5	(S)	(Z)	.4	(Z)	(Z)	(Z)	5.6	70
.8	2.2	10.1	(S)	(S)	.8	(Z)	(Z)	(Z)	7.7	71
1.1	2.9	5.3	(S)	(Z)	.4	(Z)	(Z)	(Z)	3.9	72
.7	1.9	7.9	(S)	(Z)	.4	(Z)	(Z)	(Z)	4.6	73
(Z)	.2	1.1	(S)	(Z)	(S)	(Z)	(Z)	(Z)	12.9	74
1.0	3.3	3.7	(S)	.2	.2	(Z)	(Z)	(Z)	4.2	75

Table 7. **Trucks by Truck Type and Axle Arrangement: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Truck type and axle arrangement							
			Single-unit trucks				Combinations		
								Single-unit truck with trailer	
		Total	Total	2 axles	3 axles	4 axles or more	Total	3 axles	4 axles	5 axles or more
	MAINTENANCE									
	General maintenance:									
1	Owner	781.1	775.4	772.9	2.3	.3	5.7	(S)	.5	1.1
2	Company's maintenance facilities	104.6	82.8	79.4	2.7	.7	21.6	(S)	1.0	1.1
3	Dealership's service department	116.6	116.5	116.0	.4	(S)	2.1	(S)	(S)	(S)
4	Leasing company	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(S)	(S)
5	Independent garage	239.7	230.4	229.4	.9	(S)	9.2	(Z)	(S)	.2
6	Component distributorship	(S)	(S)	(S)	(Z)	(Z)	.2	(Z)	(Z)	(Z)
7	Other	(S)	(S)	(S)	(S)	(Z)	.3	(Z)	(Z)	(S)
8	Not reported	59.6	56.5	56.1	.3	(S)	3.1	(S)	(Z)	(S)
	Major overhauls:									
9	Owner	265.7	264.4	263.7	.6	(S)	1.3	(Z)	(S)	.4
10	Company's maintenance facilities	58.4	43.8	42.2	1.2	.3	14.6	(Z)	.6	.9
11	Dealership's service department	144.6	133.7	132.4	1.0	.2	11.0	(S)	(S)	.5
12	Leasing company	(S)	(S)	(S)	(S)	(Z)	.8	(Z)	(Z)	(Z)
13	Independent garage	234.1	222.9	221.2	1.4	.3	11.2	(S)	(S)	.4
14	Component distributorship	1.4	.5	.4	.2	(S)	.9	(Z)	(Z)	(S)
15	Other	(S)	(S)	(S)	(S)	(S)	.2	(Z)	(Z)	(Z)
16	Not reported	501.7	495.1	493.1	1.9	.1	6.6	(S)	(S)	.5
	ENGINE TYPE AND SIZE									
17	Engine	1,174.4	1,130.6	1,123.4	6.2	1.0	43.7	.3	(S)	2.4
18	Gasoline	1,116.6	1,099.3	1,095.6	3.4	.2	17.3	(S)	(S)	1.6
19	Diesel	52.4	26.0	22.4	2.6	.6	26.4	(S)	.3	.8
20	LPG or other	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(S)
21	Not reported	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
22	Cylinders	1,174.4	1,130.6	1,123.4	6.2	1.0	43.7	.3	(S)	2.4
23	4	51.2	51.1	51.1	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
24	6	267.7	246.6	246.2	1.9	.6	19.1	(S)	(S)	.6
25	8	850.8	826.5	821.6	4.3	.4	24.3	(S)	(S)	1.8
26	Other	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(Z)
27	Not reported	(S)	(S)	(S)	(S)	(S)	.3	(Z)	(Z)	(Z)
28	Cubic inch displacement	1,174.3	1,130.5	1,123.3	6.2	1.0	43.7	.3	(S)	2.4
29	Gasoline engines	1,116.6	1,099.3	1,095.6	3.4	.2	17.3	(S)	(S)	1.6
30	Less than 200	49.1	49.1	49.1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
31	200 to 299	123.0	122.7	122.5	(S)	(Z)	.3	(Z)	(S)	(S)
32	300 to 349	311.4	310.7	310.5	(S)	(Z)	.6	(Z)	(S)	(S)
33	350 to 399	477.1	473.5	472.3	1.2	(S)	3.5	(S)	.5	.7
34	400 or more	85.6	73.4	71.4	1.6	.1	11.9	(Z)	(S)	.5
35	Not reported	70.4	70.0	69.8	.2	(Z)	.4	(Z)	(S)	(Z)
36	Diesel engines	52.4	26.0	22.4	2.8	.8	26.4	(S)	.3	.8
37	Less than 400	16.4	(S)	(S)	.2	(S)	1.7	(S)	(S)	(Z)
38	400 to 599	16.8	(S)	(S)	.9	.2	9.8	(S)	(S)	.2
39	600 to 799	5.8	2.8	1.3	1.2	.2	3.0	(S)	(S)	.2
40	800 or more	11.0	.8	.3	.3	.2	10.2	(Z)	(Z)	.3
41	Not reported	2.5	.8	.5	.2	(S)	1.7	(Z)	(S)	(S)
42	Other engines	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(S)
43	Less than 400	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
44	400 or more	.3	.2	(S)	(S)	(Z)	(S)	(Z)	(Z)	(S)
45	Not reported	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
46	Horsepower	1,174.3	1,130.5	1,123.3	6.2	1.0	43.7	.3	(S)	2.4
47	Gasoline engines	1,116.6	1,099.3	1,095.6	3.4	.2	17.3	(S)	(S)	1.6
48	Less than 100	43.2	43.2	43.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
49	100 to 199	803.0	799.7	798.8	.9	(S)	3.3	(S)	.8	1.0
50	200 to 249	166.4	157.8	155.5	2.1	.2	8.6	(S)	(S)	.4
51	250 or more	33.6	26.6	26.5	.2	(Z)	7.0	(Z)	(S)	(S)
52	Not reported	70.3	69.9	69.6	.3	(Z)	.5	(Z)	(S)	(S)
53	Diesel engines	52.4	26.0	22.4	2.8	.8	26.4	(S)	.3	.8
54	Less than 250	26.2	19.2	16.9	1.9	.3	9.1	(S)	.2	.3
55	250 to 349	11.8	1.4	.5	.6	.3	10.5	(Z)	(S)	.2
56	350 to 449	5.3	.2	(S)	(S)	(S)	5.1	(Z)	(Z)	.3
57	450 or more	.7	(S)	(Z)	(S)	(S)	.6	(Z)	(Z)	(S)
58	Not reported	(S)	(S)	(S)	.2	(S)	1.1	(Z)	(S)	(Z)
59	Other engines	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(S)
60	Less than 250	(S)	(S)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(S)
61	250 or more	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
62	Not reported	(S)	(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
	POWERED AXLES									
63	Powered axles	1,174.4	1,130.6	1,123.4	6.2	1.0	43.7	.3	(S)	2.4
64	1	929.3	906.9	905.6	1.3	(Z)	22.4	(S)	(S)	1.6
65	2	237.9	217.3	212.3	4.5	.6	20.5	(Z)	(S)	.8
66	3 or more	.9	.6	(S)	(S)	.4	.3	(Z)	(Z)	(Z)
67	Not reported	6.3	5.8	5.5	.2	(S)	.5	(S)	(S)	(Z)
	CAB TYPE[4]									
68	Cab forward of engine	3.9	1.9	1.6	.2	.2	2.0	(Z)	(S)	(Z)
69	Cab over engine	17.7	7.2	6.3	.9	(Z)	10.5	(S)	(S)	.2
70	Short-hood conventional	30.2	21.3	19.7	1.5	(S)	8.9	(S)	.4	.6
71	Medium-hood conventional	41.9	33.0	29.9	2.7	.5	8.9	(Z)	.9	1.1
72	Long-hood conventional	11.2	7.8	7.0	.7	.2	3.4	(Z)	(S)	.4
73	Cab beside engine	.5	.4	.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)
74	Other	65.0	64.6	64.5	(Z)	(S)	.5	(S)	(S)	(S)
75	Not reported	1,004.0	994.3	994.1	.2	(Z)	(S)	(Z)	(S)	(Z)

See footnotes at end of table.

Truck type and axle arrangement—Con.										
Combinations—Con.										
Truck-tractor with single trailer			Truck-tractor with double trailers			Truck-tractor with triple trailers				
3 axles	4 axles	5 axles or more	5 axles	8 axles	7 axles or more	7 axles	8 axles or more	Trailer not specified	Relative standard error of estimate (percent) for total	
.3	1.0	2.2	(Z)	(S)	.5	(Z)	(Z)	(Z)	3.8	1
2.0	3.9	12.7	(S)	(S)	.8	(Z)	(Z)	(Z)	14.3	2
.2	.4	1.0	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	18.1	3
(S)	.3	.8	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	60.8	4
.7	1.4	1.5	(Z)	(S)	.2	(Z)	(Z)	(Z)	11.1	5
(Z)	(Z)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	91.4	6
(S)	(Z)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	83.3	7
(S)	1.9	.7	(S)	(S)	(Z)	(Z)	(Z)	(Z)	23.2	8
.2	(S)	.5	(Z)	(S)	(S)	(Z)	(Z)	(Z)	10.7	9
1.4	2.3	8.9	(S)	(S)	.3	(Z)	(Z)	(Z)	17.9	10
.7	1.4	3.1	(Z)	(Z)	.8	(Z)	(Z)	(Z)	14.7	11
(Z)	.2	.8	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	78.1	12
.4	1.8	3.1	(Z)	(S)	.3	(Z)	(Z)	(Z)	11.2	13
(Z)	(S)	.7	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	16.7	14
(S)	(Z)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	55.7	15
.4	2.9	2.1	(S)	(S)	.2	(Z)	(Z)	(Z)	8.6	16
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	17
1.4	2.8	.8	(Z)	(S)	(S)	(Z)	(Z)	(Z)	.9	18
1.5	5.8	16.8	.2	.2	1.2	(Z)	(Z)	(Z)	17.1	19
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	66.0	20
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	77.2	21
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	22
(Z)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	28.0	23
.7	4.3	12.4	(S)	(S)	.7	(Z)	(Z)	(Z)	10.3	24
2.1	3.9	4.9	(S)	.2	.5	(Z)	(Z)	(Z)	3.5	25
(S)	(Z)	(Z)	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	53.2	26
(S)	.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	76.4	27
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	28
1.4	2.8	.8	(Z)	(S)	(S)	(Z)	(Z)	(Z)	.9	29
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	28.7	30
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	18.6	31
(S)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.6	32
.6	1.3	.3	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	6.9	33
.7	1.2	.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	19.7	34
(Z)	.2	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.8	35
1.5	5.6	16.8	.2	.2	1.2	(Z)	(Z)	(Z)	17.1	36
.2	.5	.9	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	47.5	37
.3	2.9	5.9	(S)	.2	.2	(Z)	(Z)	(Z)	27.2	38
.8	.7	1.1	(Z)	(S)	(S)	(Z)	(Z)	(Z)	7.8	39
.2	1.2	7.8	(S)	(Z)	.8	(Z)	(Z)	(Z)	5.0	40
(S)	.3	1.0	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	12.0	41
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	66.0	42
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	69.7	43
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	40.9	44
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	98.2	45
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	46
1.4	2.8	.8	(Z)	(S)	(S)	(Z)	(Z)	(Z)	.9	47
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	30.4	48
.3	.8	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	3.8	49
1.0	1.8	.5	(Z)	(S)	(S)	(Z)	(Z)	(Z)	13.9	50
(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	33.6	51
(S)	.3	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	22.8	52
1.5	5.6	18.8	.2	.2	1.2	(Z)	(Z)	(Z)	17.1	53
1.2	3.3	3.9	(S)	(S)	(Z)	(Z)	(Z)	(Z)	27.7	54
(S)	1.4	8.2	(S)	(S)	.2	(Z)	(Z)	(Z)	4.8	55
(S)	.4	3.8	(Z)	(S)	.8	(Z)	(Z)	(Z)	7.9	56
(Z)	(S)	.4	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	23.2	57
(S)	.3	.8	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	71.0	58
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	66.0	59
(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	68.3	60
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	99.3	61
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	77.2	62
2.9	8.4	17.3	.2	.2	1.2	(Z)	(Z)	(Z)	(Z)	63
2.8	7.8	3.8	.2	.2	.2	(Z)	(Z)	(Z)	2.8	64
(S)	.7	13.3	(Z)	(Z)	1.0	(Z)	(Z)	(Z)	11.0	65
(Z)	(S)	.2	(Z)	(Z)	(S)	(Z)	(Z)	(Z)	19.6	66
(S)	(S)	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	10.0	67
(S)	.5	1.4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	11.3	68
.6	1.7	7.0	(S)	(S)	.7	(Z)	(Z)	(Z)	4.7	69
1.0	3.5	3.0	(S)	(S)	(S)	(Z)	(Z)	(Z)	3.9	70
1.0	2.1	3.4	(Z)	(S)	.2	(Z)	(Z)	(Z)	3.1	71
.2	(S)	2.3	(Z)	(Z)	.3	(Z)	(Z)	(Z)	7.0	72
(Z)	(S)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	39.1	73
(Z)	(S)	(S)	(Z)	(S)	(Z)	(Z)	(Z)	(Z)	21.8	74
(Z)	.4	.2	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1.4	75

Table 7. **Trucks by Truck Type and Axle Arrangement: 1982**—Con.

[Thousands. Data relate to State of registration. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text]

	Vehicular and operational characteristics	Total	Truck type and axle arrangement							
			Single-unit trucks				Combinations			
								Single-unit truck with trailer		
		Total	Total	2 axles	3 axles	4 axles or more	Total	3 axles	4 axles	5 axles or more
	PICKUPS, PANELS, VANS, UTILITIES, AND STATION WAGONS									
1	Total	1,045.6	1,036.6	1,036.8	(Z)	(Z)	(S)	(Z)	(S)	(Z)
2	Pickups	674.9	665.6	665.8	(Z)	(Z)	(S)	(Z)	(S)	(Z)
3	Panels or vans	192.5	192.5	192.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
4	Utilities	73.7	73.7	73.7	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
5	Station wagons	104.5	104.5	104.5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
6	Driving wheels	1,045.2	1,036.1	1,036.1	(Z)	(Z)	(S)	(Z)	(S)	(Z)
7	4-wheel drive	205.1	200.8	200.8	(Z)	(Z)	(S)	(Z)	(S)	(Z)
8	2-wheel drive	617.4	612.9	612.9	(Z)	(Z)	(S)	(Z)	(S)	(Z)
9	Front-wheel drive	22.6	22.6	22.6	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

NOTE: Because the sample is designed to measure the number of trucks and not all of the specific vehicular and operational characteristics of those trucks, some data cells may have high relative standard errors of estimate (RSEs). For Michigan, 45.8 of the cells have RSEs greater than 10 percent, and 31.7 of the cells have RSEs greater than 25 percent.

[1]When no response was obtained for annual miles, data were imputed.
[2]Detail does not add to totals because items were not applicable or multiple responses were possible.
[3]When no response was obtained, one truck was imputed based on body type of sampled vehicle.
[4]Pickups, panels, and vans are not included.

Truck type and axle arrangement—Con.										
Combinations—Con.										
Truck-tractor with single trailer			Truck-tractor with double trailers			Truck-tractor with triple trailers		Trailer not specified	Relative standard error of estimate (percent) for total	
3 axles	4 axles	5 axles or more	5 axles	6 axles	7 axles or more	7 axles	8 axles or more			
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.8	1
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1.5	2
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9.4	3
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	19.8	4
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	15.8	5
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.8	8
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	12.5	7
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	3.4	8
(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	44.1	9

APPENDIX A.
Survey Forms

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
FORM
TC-9501

1982 CENSUS OF TRANSPORTATION
TRUCK INVENTORY AND USE SURVEY

O.M.B. APPROVAL NO. 0607-0390: EXPIRES 12/84

NOTICE – Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

Please complete this form and RETURN TO: BUREAU OF THE CENSUS, 1201 East Tenth Street, Jeffersonville, Indiana 47134

DUE DATE: 15 days after receipt of form

In correspondence pertaining to this report, please refer to this Census File Number (CFN)

Important — Please read

All questions on this form refer to the vehicle described below and its use **during the past 12 months** (or the last 12 months you operated it). If there are errors in the vehicle registration information, consult the instruction sheet before continuing with the questionnaire.

ESTIMATES ARE ACCEPTABLE.

Please correct errors in name, address, and ZIP code. ENTER street and number if not shown.

CENSUS USE	1	2	3	4	5	6	7

REGISTRATION INFORMATION

Make of vehicle	Year of model	State	License number	Vehicle identification number (VIN)
101	102	103	104	105

Item 1 – Is this vehicle still in your possession?
201 1 ☐ YES – Are you the – 202 1 ☐ Owner? 2 ☐ Lessee? } *SKIP to item 2 and continue with questionnaire*
2 ☐ NO – *Please continue with this questionnaire, answering each item according to how you used the vehicle during the last 12 months you owned (or leased) it. Continue with items 1a to end b.*

a. When did you dispose of this vehicle? (Enter figures only) — Month: 203 | Year

b. How did you dispose of this vehicle?
204 1 ☐ Sold it (or gave it away)
2 ☐ Junked or scrapped it
3 ☐ Returned to leasing company

Item 2 – When did you obtain this vehicle? (Enter figures only) — Month: 205 | Year

Item 3 – How did you obtain this vehicle?
206 1 ☐ Purchased it new . . . . . } *SKIP to item 4*
2 ☐ Purchased it used (or otherwise acquired) . . . }
3 ☐ Leased or rented it from someone else – *Continue with items 3a and b*

a. How was this vehicle leased or rented?
207 1 ☐ Without a driver
2 ☐ With a driver
3 ☐ With an owner-operator as driver

b. Was this a long-term lease or rental agreement (12 months or more)?
208 1 ☐ YES – What type was it?
2 ☐ Financing (no maintenance)
3 ☐ Financing and full maintenance
4 ☐ Other
5 ☐ NO

Item 4 – Did you lease or rent out this vehicle to anyone else?
209 1 ☐ YES – *Continue with items 4a and b*
2 ☐ NO – *SKIP to item 5*

a. How was it leased or rented out?
210 1 ☐ Without a driver
2 ☐ With a driver
3 ☐ With an owner-operator as driver

b. Was this a long-term lease or rental agreement (12 months or more)?
211 1 ☐ YES – What type was it?
2 ☐ Financing (no maintenance)
3 ☐ Financing and full maintenance
4 ☐ Other
5 ☐ NO

Item 5 – What is the body type of this vehicle?
313 01 ☐ Pickup
02 ☐ Panel or compact van
24 ☐ Utility (For example: Bronco, Blazer, Jeep, CJ – 5, 7, etc.)
25 ☐ Station wagon built on truck chassis (For example Suburban, Wagoneer, etc.)
80 ☐ Other – *If the above descriptions do not match the body type of this vehicle, please describe the body type in detail.*

Item 6 – What is the overall length of this vehicle *(distance from front bumper to rear of vehicle)?* — Feet: 314

Item 7a – What was the average weight of this vehicle as it was most often operated? — Pounds: 316
An estimate is acceptable.

b. How often was this vehicle carrying payloads that filled –

	Percent
Less than half its maximum cargo size	317 %
Less than half its maximum cargo weight	318 %

Item 8 – During the past year, did you attach any trailers to this vehicle?
304 1 ☐ YES – *Continue with items 8a, b, and c below*
2 ☐ NO – *SKIP to item 9*

a. What percent of the time did this vehicle pull a trailer?	Percent: 305 %
b. How many axles were on the trailer unit which you attached most frequently to the vehicle?	Number: 307
c. What was the loaded weight of the trailer most often attached to the vehicle? An estimate is acceptable.	Pounds: 319

Item 9 – What kind of fuel does this vehicle use?
321 1 ☐ Gasoline
2 ☐ Diesel
3 ☐ Liquefied petroleum gas (LPG)
4 ☐ Other – *Specify fuel* _____

Item 10 – How many cylinders does this vehicle have?
322 1 ☐ 4 cylinders
2 ☐ 6 cylinders
3 ☐ 8 cylinders
4 ☐ Other – *Specify unit* _____

Item 11 – What is the size (displacement) of your engine? *Enter cubic inches, cubic centimeters, or liters, whichever is applicable.*

Cubic inches (CI)		Cubic centimeters (CC)		Liters (L)
323	OR	324	OR	325

Item 12 – What is the horsepower rating of this vehicle's engine? — Horsepower: 326

Item 13 – What kind of transmission does this vehicle have?
327 1 ☐ Manual
2 ☐ Automatic

Item 14 – Does this vehicle have any of the following?
Mark (X) as many as apply.
329 05 ☐ Radial tires
09 ☐ Power steering
10 ☐ Air conditioning
12 ☐ 4-wheel drive
13 ☐ Front-wheel drive

Item 15 – Who performed the general maintenance and major overhauls on this vehicle?
Mark (X) as many as apply

	General maintenance 330	Major overhauls 331
Yourself	1 ☐	1 ☐
Your company's own maintenance facilities	2 ☐	2 ☐
Dealership's service department	3 ☐	3 ☐
Leasing company	4 ☐	4 ☐
Independent garage or private mechanic	5 ☐	5 ☐
Component distributorship	6 ☐	6 ☐
Other – *Specify* _____	7 ☐	7 ☐

PENALTY FOR FAILURE TO REPORT

CONTINUE ON PAGE 2

Item 16 – How many miles was this vehicle driven during the past 12 months? An estimate is acceptable.

NOTE – If driven less than 12 months, please estimate mileage for a full year → 332

Item 17 – How many miles has this vehicle been driven since it was new?

NOTE – If it is no longer in your possession, please estimate the total lifatime mileage at the time you last operated it.
If the odometer/speedometer is broken, please give your best estimate.
If the odometer has turned over (100,000 + miles), please enter the total figure. 333

Item 18 – How many miles-per-gallon (MPG) did this vehicle average during the last year? (Use tenths, if available.)

	Miles	Tenths
Example: 10.5 MPG should be entered as	10	5
Enter miles per gallon →	334	

Item 19 – Where was the home base of this vehicle?

350 City

351 County | 352 State | 355 ZIP code

Item 20 – What percent of annual mileage was driven OUTSIDE the home base state? An estimate is acceptable. Percent 354 %

Item 21 – What PERCENTAGE of this vehicle's ANNUAL MILEAGE was accounted for by the type of trips listed below? (If all trips were within one range, enter 100%. If more than one range is applicable, be sure that percentages add up to 100%.)

	Percent
Trips off-the-road, little travel on public roads	360 %
Trips within a 50 mile radius of vehicle's home base	361 %
Trips within a 50–200 mile radius of vehicle's home base	362 %
Trips beyond a 200 mile radius of vehicle's home base.....	363 %
TOTAL – Should equal 100% →	100%

Item 22 – Which of the following best describes the primary way this vehicle was operated?

401 NEVER FOR HIRE
- 1 ☐ BUSINESS USE – Operated by and for a private business (including self-employers) or a company; used in related activities of that business (including transportation of personnel) ..... *SKIP to Item 23*
- 2 ☐ PERSONAL TRANSPORTATION – Operated as a personal-use vehicle in place of an automobile for pleasura driving, travel to work, etc. (NO BUSINESS USE) ..... *SKIP to Item 26*
- 3 ☐ MIXED – A mistura of both business use and personal transportation *SKIP to Item 23*
  Percent business ..... 405 %

411 ALWAYS FOR HIRE – ICC regulated?
- 1 ☐ YES
- 2 ☐ NO

FOR HIRE – Indicate below the type of for hire operation (SEE INSTRUCTION SNEET FOR FURTHER INFORMATION.)

401 a. Operation type

406 b. Jurisdiction served

407 c. Kind of carrier

Item 23 – Which of the following best describes your business (or the part of your business in which the vehicle was used)? If vehicle was leased, indicate business of lessee.

414
- 01 ☐ AGRICULTURAL ACTIVITIES
- 02 ☐ FORESTRY OR LUMBERING ACTIVITIES
- 03 ☐ CONSTRUCTION WORK
- 04 ☐ CONTRACTOR ACTIVITIES OR SPECIAL TRADES (painting, plumbing, alactrical work, masonry, carpentry, etc.)
- 05 ☐ MANUFACTURING, REFINING, OR PROCESSING ACTIVITIES
- 06 ☐ WHOLESALE TRADE
- 07 ☐ RETAIL TRADE
- 08 ☐ PERSONAL SERVICES – hotel operations, landscaping, repair (ascept plumbing, alectrical work, etc. – see "Contractor Activities"), laundry, advertising, entertainment, etc.
- 09 ☐ UTILITIES – operations or servica of public utilitias (telephone, gas, electric, etc.)
- 10 ☐ MINING OR QUARRY ACTIVITIES – used to assist in the astraction of natural resources or in hauling to processors
- 11 ☐ DAILY RENTAL – rented out, without a driver, to someone alse on a daily or short-term basis
- 12 ☐ GOVERNMENTAL OPERATIONS
- 13 ☐ NOT IN USE – vehicle idle, wracked, awaiting repair, etc., for more than 90 days.
- 14 ☐ FOR HIRE TRANSPORTATION – includes small package delivery
- 15 ☐ OTHER – *Please describe in detail* _____

Item 24 – At any time during the past 12 months, was this vehicle (or combination) used to haul hazardous materials in quantities large enough to require a special placard placed on the vehicle due to the Code of Federal Regulations, title 49, Transportation?

438
- 1 ☐ YES – *Continue with items 24a and b*
- 2 ☐ NO – *SKIP to Item 25*

a. What type(s) of hazardous materials were carried by this vehicle? *Mark (X) as many as apply.*

435
- 1 ☐ Flammables or combustibles
- 2 ☐ Acids, poisons, caustics, etc.
- 3 ☐ Explosives
- 4 ☐ Radioactive materials
- 5 ☐ Hazardous waste
- 6 ☐ Hazardous materials not listed above

b. Approximately what percent of this vehicle's annual mileage was accounted for by carrying these hazardous materials?

440 1 ☐ Below 25% 2 ☐ 25–49% 3 ☐ 50–74% 4 ☐ 75–100%

Item 25 – From the following list of products, materials, and equipment, indicate which item or items this vehicle carried. Write in the approximate percentage of the vehicle's annual mileage that was accounted for while carrying loads and while empty (backhauls, etc.). Be sure that percentages add up to 100%. (See instruction sheet for further explanation and examples.)

a. PRODUCTS, EQUIPMENT, MATERIALS, ETC.	Percentage of annual mileage
(1) Agricultural and Food Products	
(a) Live animals – cattle, horses, poultry, hogs, etc.	515 %
(b) Fresh farm products – grain, crops, flowers, nursery stock, raw milk, raw tobacco, etc.	416 %
(c) Processed foods – canned goods, prepared meats, frozen foods, baverages, dairy products, tobacco products, etc.	517 %
(2) Mining Products, Unrefined – crude oil, coal, metal ores.	518 %
(3) Building Materials – gravel, sand, concrete, glass, etc. (ascept cut lumber – see "Lumber")	519 %
(4) Forestry, Wood, and Paper Products	
(a) Logs and forest products – ascept cut lumber and fabricated wood products (see below)	520 %
(b) Lumber and fabricated wood products – except furniture (see (7) balow)	421 %
(c) Paper and paper products	522 %
(5) Chemicals, Petroleum, and Allied Products	
(a) Chemicals and/or drugs (including fartilizers, pesticides, cosmetics, paints, etc.)	423 %
(b) Petroleum and petroleum products	525 %
(c) Plastics and/or rubber products	426 %
(6) Metals and Metal Products	
(a) Primary metal products – pipes, ingots, billets, sheets, etc.	428 %
(b) Fabricated metal products – ascept machinery or transportation equipment (see balow)	427 %
(c) Machinery – alectrical or nonelectrical	428 %
(d) Transportation equipment and parts	429 %
(7) Other Manufactured Products	
(a) Furnitura (wood and nonwood) and/or hardware – not involved in household moving	430 %
(b) Tastiles and apparels – fibers, leather goods, carpets, clothing, etc.	431 %
(8) Miscellaneous	532 —
(a) Moving of household and office furniture – from home, offices, etc., under contract	%
(b) Miscellaneous tools and/or parts for specialized use, as in a craftsman's vehicle – traveling workshop for plumbers, carpenters, road service crews, etc.	433 %
(c) Mixed cargo, general freight	534 %
(d) Scrap, garbage, trash	435 %
(9) Other (not alsewhere classified) – *Please describe in detail* _____	436 %
b. NO LOAD CARRIED – *Vehicle empty*	567 %
TOTAL – Should equal 100% →	100%

Item 26 – Please enter below the number of any additional trucks and/or trailers you own and/or operate at the same home base you listed in item 19.

	Number
Pickups, small vans	443
Straight trucks	824
Truck-tractors (power-units)	445
Trailers (semi- and/or full)	446
Converter dollies	447

Item 27 – REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 28 – Person to contact regarding this report.
Does this person have records on (or knowledge of) the daily activities of driver (stops, weight of individual shipments, destinations of shipments, etc.)?
1 ☐ YES 2 ☐ NO

Name

Address *(Number and street)*

City | State | ZIP code

Daytime telephone number → | Area code | Number | Extension

If this vehicle has a fleet number, please enter it here →

FORM TC-9501

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
FORM
TC-9502

1982 CENSUS OF TRANSPORTATION

TRUCK INVENTORY AND USE SURVEY

O.M.B. APPROVAL NO. 0607-0350; EXPIRES 12/84

NOTICE – Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47134

DUE DATE: 15 days after receipt of form

In correspondence pertaining to this report, please refer to this Census File Number (CFN)

Please correct errors in name, address, and ZIP code. ENTER street and number if not shown.

CENSUS USE	1	2	3	4	5	6	7

REGISTRATION INFORMATION

Make of vehicle	Year of model	State	License number	Vehicle identification number (VIN)
101	102	103	104	105

Important — Please read

All questions on this form refer to the vehicle described below and its use during **the past 12 months** (or the last 12 months you operated it). If there are errors in the vehicle registration information, consult the instruction sheet before continuing with the questionnaire.

ESTIMATES ARE ACCEPTABLE.

Item 1 – Is this vehicle still in your possession?

201 1 ☐ YES – Are you the – 202 1 ☐ Owner? 2 ☐ Lessee? } *SKIP to item 2 and continue with questionnaire*

2 ☐ NO – *Please continue with this questionnaire, answering each item according to how you used the vehicle during the last 12 months you owned (or leased) it. Continue with items 1a and b.*

a. When did you dispose of this vehicle?

	Month	Year
Enter figures only →	203	

b. How did you dispose of this vehicle?

204 1 ☐ Sold it (or gave it away)
2 ☐ Junked or scrapped it
3 ☐ Returned to leasing company

Item 2 – When did you obtain this vehicle?

	Month	Year
Enter figures only →	205	

Item 3 – How did you obtain this vehicle?

206 1 ☐ Purchased it new . . . . . } *SKIP to item 4*
2 ☐ Purchased it used (or otherwise acquired) . . . . . }
3 ☐ Leased or rented it from someone else – *Continue with items 3a and b*

a. How was this vehicle leased or rented?

207 1 ☐ Without a driver
2 ☐ With a driver
3 ☐ With an owner-operator as driver

b. Was this a long-term lease or rental agreement (12 months or more)?

208 1 ☐ YES – What type was it?
2 ☐ Financing (no maintenance)
3 ☐ Financing and full maintenance
4 ☐ Other
5 ☐ NO

Item 4 – Did you lease or rent out this vehicle to anyone else?

209 1 ☐ YES – *Continue with items 4a and b*

2 ☐ NO – *SKIP to item 5*

a. How was it leased or rented out?

210 1 ☐ Without a driver
2 ☐ With a driver
3 ☐ With an owner-operator as driver

b. Was this a long-term lease or rental agreement (12 months or more)?

211 1 ☐ YES – What type was it?
2 ☐ Financing (no maintenance)
3 ☐ Financing and full maintenance
4 ☐ Other
5 ☐ NO

Item 5 – How many axles are on this vehicle and how many of them are driving axles?
(Do not include axles on any trailers pulled.)

a. Total number of axles on **truck or truck-tractor** (power unit):

300 1 ☐ Two axles (4 tires)
2 ☐ Two axles (6 tires)
3 ☐ Three axles
4 ☐ Four or more axles

How many, IF ANY, are liftable axles? → 301

b. Number of driving (powered) axles on **truck or truck-tractor** (power unit):

302 1 ☐ One driving axle
2 ☐ Two driving axles
3 ☐ Three or more driving axles

Item 6 – How would you best describe this vehicle as it was most often operated?
(If the vehicle is a pickup, compact van, or panel truck, enter body type on the "Other" line.)

303 1 ☐ Straight truck
2 ☐ Straight truck pulling trailer(s)
3 ☐ Truck-tractor (power unit) pulling trailer(s)
4 ☐ Other – *Specify* _____

Item 7 – If you indicated in item 6 that you operated this vehicle with trailer(s) attached, indicate below the kind of trailer(s) you most often pulled.
Mark (X) one box only.

a. One semi-trailer, used with **truck-tractor** (power unit).

307 1 ☐ One axle on trailer
2 ☐ Two axles on trailer
3 ☐ Three or more axles on trailer

How many, IF ANY, of the trailer's axles are liftable? → 308

b. Two trailers, one semi- and one full * used with **truck-tractor** (power unit):

308 1 ☐ Three axles on two trailers
2 ☐ Four axles on two trailers
3 ☐ Five axles on two trailers
4 ☐ Six or more axles on two trailers

How many, IF ANY, of the trailer's axles are liftable? → 306

c. Three trailers, one semi- and two full * used with **truck-tractor** (power unit):

309 1 ☐ Five axles on three trailers
2 ☐ Six axles on three trailers
3 ☐ Seven axles on three trailers
4 ☐ Eight or more axles on three trailers

How many, IF ANY, of the trailer's axles are liftable? → 306

d. One full trailer * used with **straight truck**:

310 1 ☐ Two axles on trailer
2 ☐ Three axles on trailer
3 ☐ Four or more axles on trailer

How many, IF ANY, of the trailer's axles are liftable? → 308

e. Other – *Please describe in detail the number of trailers and axles on those trailers. Also give number of any liftable axles on trailer(s).*

311

* or Semi-trailer with converter dolly

Item 8 – What type of cab does this vehicle have?

312 1 ☐ Cab forward of engine
2 ☐ Cab over engine
3 ☐ Short hood/nose conventional (less than 97 in. bumper to back of cab – BBC)
4 ☐ Medium hood/nose conventional (97–114 in. bumper to back of cab – BBC)
5 ☐ Long hood/nose conventional (more than 114 in. bumper to back of cab – BBC)
6 ☐ Cab beside engine
7 ☐ Other

PENALTY FOR FAILURE TO REPORT

CONTINUE ON PAGE 3 →

Item 9a – Please indicate the body type which most closely resembles this vehicle or, the trailer most often attached to it, if the power-unit is a truck-tractor.

318

PLATFORM TYPES

- 05 ☐ Low boy (gooseneck) – platform with depressed center
- 06 ☐ Basic platform – including flatbed, stake, etc.
- 04 ☐ Platform with devices permanently mounted on bed of truck – such as high lift, lift gate, hoist, etc.

VAN TYPES

- 12 ☐ Basic enclosed van (dry cargo)
- 10 ☐ Drop frame van – including furniture van, etc.
- 09 ☐ Insulated, non-refrigerated van
- 08 ☐ Insulated, refrigerated van
- 03 ☐ Multistop or step van
- 11 ☐ Open top van, including low-side grain, fruit

SPECIALIZED USE TRUCKS

- 19 ☐ Automobile transport
- 13 ☐ Beverage truck
- 20 ☐ Cargo container chassis
- 70 ☐ Concrete mixer
- 40 ☐ Dump truck
- 29 ☐ Grain bodies (hoppers)

SPECIALIZED USE TRUCKS – Con.

- 30 ☐ Garbage truck
- 07 ☐ Livestock truck, including livestock drop frame
- 27 ☐ Oilfield truck – service equipment permanently mounted on vehicle
- 17 ☐ Pole, logging, or pipe truck
- 22 ☐ Service truck or "craftsman's vehicle" – body equipped for mobile repair and service
- 60 ☐ Tank truck for dry bulk
- 50 ☐ Tank truck for liquids or gases
- 14 ☐ Utility truck – used in public utility operations (telephone line truck, etc.), body equipped for major repair (may have aerial lift, derrick, etc.)
- 15 ☐ Winch or crane truck – lifting equipment (including roll on, roll off) permanently mounted on vehicle
- 16 ☐ Wrecker – for motor vehicle towing or lifting
- 23 ☐ Yard tractor – cab and chassis ONLY, used to spot trailers

NOTE – If none of the above descriptions match the body type of this vehicle, or the trailer usually attached to it, mark the "Other" box below and describe.

00 ☐ Other – *Specify* _____

b. What is the overall length of this vehicle or combination (distance from front bumper to rear of truck or rear of the last trailer attached)? — Feet — 314

Item 10 – What is the weight of this vehicle or vehicle/trailer combination when empty? An estimate is acceptable. — Pounds — 315

Item 11 – What was the average weight of the vehicle or vehicle/trailer combination when carrying a typical payload during the past year? An estimate is acceptable. — Pounds — 316

Item 12 – What was the maximum gross weight (MGW) at which this vehicle or vehicle/trailer combination was operated? An estimate is acceptable. — Pounds — 320

Item 13 – What kind of fuel does this vehicle use?

321
- 1 ☐ Gasoline
- 2 ☐ Diesel
- 3 ☐ Liquefied petroleum gas (LPG)
- 4 ☐ Other – *Specify fuel* _____

Item 14 – How many cylinders does this vehicle have?

322
- 1 ☐ 4 cylinders
- 2 ☐ 6 cylinders
- 3 ☐ 8 cylinders
- 4 ☐ Other – *Specify unit* _____

Item 15 – What is the size (displacement) of your engine? *Enter cubic inches, cubic centimeters, or liters, whichever is applicable.*

Cubic inches (CI)		Cubic centimeters (CC)		Liters (L)
323	OR	324	OR	325

Item 16 – What is the horsepower rating of this vehicle's engine? — Horsepower — 326

Item 17 – What kind of transmission does this vehicle have?

327
- 1 ☐ Manual
- 2 ☐ Automatic

Item 18 – What type of brakes does the power unit (truck or truck-tractor) have?

328
- 1 ☐ Hydraulic (standard)
- 2 ☐ Hydraulic with power assist
- 3 ☐ Air

Item 19 – Does this vehicle have any of the following equipment? *Mark (X) as many as apply.*

329
- 01 ☐ Aerodynamic features
- 02 ☐ Axle or drive ratio to maximize fuel efficiency
- 05 ☐ Fuel economy engine with low RPM, high torque rise, turbo-charge, etc.
- 04 ☐ Reflective materials (in addition to those required by law)
- 06 ☐ Radial tires
- 08 ☐ Road speed governor
- 07 ☐ Variable fan drives
- 09 ☐ Other fuel conservation features
- 05 ☐ Power steering
- 10 ☐ Air conditioning in cab
- 11 ☐ Engine retarder

Item 20 – Who performed the general maintenance and major overhauls on this vehicle? *Mark (X) as many as apply.*

	General maintenance (330)	Major overhauls (331)
Yourself	1 ☐	1 ☐
Your company's own maintenance facilities	2 ☐	2 ☐
Dealership's service department	3 ☐	3 ☐
Leasing company	4 ☐	4 ☐
Independent garage or private mechanic	5 ☐	5 ☐
Component distributorship	6 ☐	6 ☐
Other – *Specify* _____	7 ☐	7 ☐

Item 21 – How many miles was this vehicle driven during the past 12 months? An estimate is acceptable.

NOTE – If driven less than 12 months, please estimate mileage for a full year. → 332

Item 22 – How many miles has this vehicle been driven since it was new?

NOTE – If it is no longer in your possession, please estimate the total lifetime mileage at the time you last operated it. If the odometer/speedometer is broken, please give your best estimate. If the odometer has turned over (100,000 + miles), please enter the total figure. → 333

Item 23 – How many miles-per-gallon (MPG) did this vehicle average during the last year? (Use tenths, if available.)

	Miles	Tenths
Example: 10.5 MPG should be entered as	10	5
Enter miles per gallon → 334		

Item 24 – Where was the home base of this vehicle?

350 City

351 County	352 State	355 ZIP code

Item 25 – What percent of annual mileage was driven OUTSIDE the home base state? An estimate is acceptable. — Percent — 354 — %

Item 26 – What PERCENTAGE of this vehicle's ANNUAL MILEAGE was accounted for by the type of trips listed below? (If all trips were within one range, enter 100%. If more than one range is applicable, be sure that percentages add up to 100%.)

	Percent
Trips off-the-road, little travel on public roads	360 %
Trips within a 50 mile radius of vehicle's home base	361 %
Trips within a 50–200 mile radius of vehicle's home base	362 %
Trips beyond a 200 mile radius of vehicle's home base	363 %
TOTAL – Should equal 100% →	100%

Item 27a – Which of the following best describes the primary way this vehicle was operated?

401

NEVER FOR HIRE

- 1 ☐ BUSINESS USE – Operated by and for a private business (including self-employers) or a company; used in related activities of that business (including transportation of personnel) . . . . . *SKIP to Item 28*
- 2 ☐ PERSONAL TRANSPORTATION – Operated as a personal-use vehicle in place of an automobile for pleasure driving, travel to work, etc. (NO BUSINESS USE) . . . . . *SKIP to Item 30*
- 3 ☐ MIXED – A mixture of both business use and personal transportation
  - Percent personal transportation . . 402 %
  - Percent business . . . . . 403 % } *SKIP to Item 28*

ALWAYS FOR HIRE – ICC regulated?

411
- 1 ☐ YES
- 2 ☐ NO

- 4 ☐ MOTOR CARRIER – Operated by a company whose primary business is to provide transportation services, carrying freight belonging to others . . . . . } *Complete Items 27b and c below.*
- 5 ☐ OWNER/OPERATOR – Operated by an independent trucker who drives vehicle for himself or on lease to a company . . . . . } *Complete Items 27b and c below.*
- 6 ☐ MIXED – A mixture of private carriage and common and/or contract carriage
  - Percent not for hire (private) . . . . 404 % } *Complete Items 27b and c below*
  - Percent for hire . . . . . 405 %
- 7 ☐ DAILY RENTAL OR SHORT TERM LEASE – Rented or leased out to various operators and for various activities, under daily or short term rental or lease agreements . . . . . *SKIP to Item 28*

b. What was the FOR HIRE jurisdiction in which vehicle operated?

408
- 1 ☐ Interstate
- 2 ☐ Intrastate
- 3 ☐ Local – In a single municipality, contiguous municipalities or a municipality and its suburban area; in commercial zones

c. In what type of carrier service was the vehicle involved? *Enter percentage of mileage.*

	Percent
407 1 ☐ Contract – offered transportation service to certain shippers under specific contracts	408 %
2 ☐ Common – offered transportation service to the general public over regular or irregular routes	409 %
3 ☐ Exempt – transported commodities or provided types of services that were exempt from Federal regulation; operated within exempt commercial zones	410 %

FORM FC-5503

CONTINUE ON PAGE 3 →

Item 28 – Which of the following best describes your business or the part of your business in which the vehicle was used? If the vehicle was leased, indicate business of lessee.

414
- 01 ☐ AGRICULTURAL ACTIVITIES
- 02 ☐ FORESTRY OR LUMBERING ACTIVITIES
- 03 ☐ CONSTRUCTION WORK – buildings, homes, roads, structures, etc.
- 04 ☐ CONTRACTOR ACTIVITIES OR SPECIAL TRADES – painting, plumbing, electrical work, masonry, carpentry, etc.
- 05 ☐ MANUFACTURING, REFINING, OR PROCESSING ACTIVITIES
- 06 ☐ WHOLESALE TRADE
- 07 ☐ RETAIL TRADE
- 08 ☐ PERSONAL SERVICES – used to assist in such services as lodging operations, landscaping, repair (except plumbing, electrical work, etc. – see "Contractor Activities"), laundry, advertising, entertainment, etc.
- 09 ☐ UTILITIES – used to assist in operation or service of public utilities (telephone, gas, electric, etc.)
- 10 ☐ MINING OR QUARRY ACTIVITIES – used to assist in the extraction of natural resources
- 11 ☐ DAILY RENTAL – rented out, without a driver, to someone else on a daily or short-term basis
- 12 ☐ GOVERNMENTAL OPERATIONS
- 13 ☐ NOT IN USE – vehicle idle, wrecked, awaiting repair, etc., for more than 90 days
- 14 ☐ FOR HIRE TRANSPORTATION – including small package delivery
- 15 ☐ Other – *Please describe in detail*

_____

Item 29 – From the following list of products, materials, and equipment, indicate which item or items this vehicle carried. Write in the approximate percentage of the vehicle's annual mileage that was accounted for while carrying loads and while empty (backhauls, etc.). Be sure that percentages add up to 100%. (See instruction sheet for further explanation and examples.)

a. PRODUCTS, EQUIPMENT, MATERIALS, ETC.	Percentage of annual mileage
(1) Agricultural and Food Products	
(a) Live animals – cattle, horses, poultry, hogs, etc.	415 %
(b) Fresh farm products – grain, crops, flowers, nursery stock, raw milk, raw tobacco, etc.	416 %
(c) Processed foods – canned goods, prepared meats, frozen foods, beverages, dairy products, tobacco products, etc.	417 %
(2) Mining Products, Unrefined – crude oil, coal, metal ores	418 %
(3) Building Materials – gravel, sand, concrete, glass, etc. (except cut lumber – see "Lumber")	419 %
(4) Forestry, Wood, and Paper Products	
(a) Logs and forest products – except cut lumber and fabricated wood products (see below)	420 %
(b) Lumber and fabricated wood products – except furniture (see (7) below)	421 %
(c) Paper and paper products	422 %
(5) Chemicals, Petroleum, and Allied Products	
(a) Chemicals and/or drugs (including fertilizers, pesticides, cosmetics, paints, etc.)	423 %
(b) Petroleum and petroleum products	424 %
(c) Plastics and/or rubber products	425 %
(6) Metals and Metal Products	
(a) Primary metal products – pipes, ingots, billets, sheets, etc.	426 %
(b) Fabricated metal products – except machinery or transportation equipment (see below)	427 %
(c) Machinery – electrical or nonelectrical	428 %
(d) Transportation equipment (including complete vehicles) and parts	429 %
(7) Other Manufactured Products	
(a) Furniture (wood and nonwood) and/or hardware – not involved in household moving	430 %
(b) Textiles and apparels – fibers, leather goods, carpets, clothing, etc.	451 %
(8) Miscellaneous	
(a) Moving of household and office furniture – from home, offices, etc., under contract	432 %
(b) Miscellaneous tools and/or parts for specialized use, as in a craftsman's vehicle – traveling workshop for plumbers, carpenters, road service crews, etc.	433 %
(c) Mixed cargo, general freight	434 %
(d) Scrap, garbage, trash	435 %
(9) Other (not elsewhere classified) – *Please describe in detail* _____ _____ _____	436 %
b. NO LOAD CARRIED – *Vehicle empty*	437 %
TOTAL – Should equal 100% →	100%

Item 30 – At any time during the past 12 months, was this vehicle (or combination) used to haul hazardous materials in quantities large enough to require a special placard placed on the vehicle due to the Code of Federal Regulations, title 49, Transportation?

438 1 ☐ YES – *Continue with items a and b*
2 ☐ NO – *Go to item 31*

a. What type(s) of hazardous materials were carried by this vehicle?
Mark (X) as many as apply.

439
- 1 ☐ Flammables or combustibles
- 2 ☐ Acids, poisons, caustics, etc.
- 3 ☐ Explosives
- 4 ☐ Radioactive materials
- a ☐ Hazardous waste
- a ☐ Hazardous materials not listed above

b. Approximately what percent of this vehicle's annual mileage was accounted for by carrying these hazardous materials?

440
- 1 ☐ Below 25%
- 2 ☐ 25–49%
- 3 ☐ 50–74%
- 4 ☐ 75–100%

Item 31 – Please enter below the number of any ADDITIONAL trucks and/or trailers you own and/or operate at the same home base you listed in item 24.

	Number
Pickups, small vans	443
Straight trucks	444
Truck-tractors (power units)	445
Trailers (semi- and/or full)	446
Converter dollies	447

Item 32 – REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 33 – Person to contact regarding this report
Does this person have records on (or knowledge of) the daily activities of driver (stops, weight of individual shipments, destinations of shipments, etc.)?

1 ☐ YES 2 ☐ NO

Name

Address *(Number and street)*

City	State	ZIP code

Daytime telephone number →	Area code	Number	Extension, if any

If this vehicle has a fleet number, please enter it here →

FORM TC-9502

APPENDIX B.

Approximating Unpublished Relative Standard Errors

The relative standard errors (RSE's) are presented for only the row and column totals in tables 3 through 8. The relative standard errors of an individual table cell may be approximated by the following two-step procedure.

First calculate the standard deviation (SD) for the table cell:

$$SD(CLT) = \frac{RCT \times RSE(RCT)}{100} \sqrt{\frac{(CLT)\ (STT - CLT)}{(RCT)\ (STT - RCT)}}$$

where:

RCT = the number of trucks in the row (or column)
CLT = the number of trucks in the cell
STT = the number of trucks in the State

Now, the RSE in percent can be calculated as follows:

$$RSE(CLT) = \frac{100 \times SD(CLT)}{CLT}$$

Although either the row or column can be used, it is usually best to use the one with the fewest trucks.

Example—There are an estimated 5.5 thousand trucks in the cell for agricultural multistops or walk-ins, for which we want to approximate the RSE in percent. To approximate the RSE in percent for the agricultural multistop or walk-in cell, the following information must be extracted from the table: (1) 500.3 thousand trucks in the State, (2) 110.3 thousand trucks and an estimated RSE of 7.6 percent for the "Agriculture" column, and (3) 27.7 thousand trucks and an estimated RSE of 11.2 percent for the "Multistop or walk-in" row.

Since the row total of 27.7 thousand is less than the column total of 110.3 thousand, use the row figures to approximate the RSE in percent:

$$SD(5.5) = \frac{27.7 \times 11.2}{100} \sqrt{\frac{5.5(500.3 - 5.5)}{27.7\ (500.3 - 27.7)}} = 1.4$$

$$RSE(5.5) = \frac{100 \times 1.4}{5.5} = 25.5 \text{ percent}$$

Some exceptions from this procedure will yield better approximations of the relative standard error in particular cells. Certain rows and columns in the tables are composed predominately of trucks, excluding pickups and vans ("large trucks"). Because of the sample design, one obtains a better approximation of the relative standard error of the estimate for a cell within a row (column) of "large trucks" by using the row (column) total even though the column (row) total might be smaller. When both totals consist of "large trucks," use the smaller of the row or column totals.

Columns of predominately "large trucks":

Table 4—Light-heavy and Heavy-heavy
Table 5—50,000 to 74,999 miles and 75,000 miles or more
Table 7—All except Single-unit 2 axle trucks

Rows of predominately "large trucks":

Body Type—All except Pickup, Panel truck or Van, and Multistop or Walk-in
Annual Miles—50,000 to 74,999 and 75,000 or more
Range of Operation—Long range (more than 200 miles)
Gross Weight—All from 19,501 pounds and over
Lease Characteristics—Leased with driver
Hazardous Materials Carried—All carrying hazardous materials
Miles per Gallon—Less than 5 and 5 to 6.9
Equipment Type, Braking System—Air
Truck Type and Axle Arrangement—All except Single-unit 2 axle trucks
Cab Type—All

TEAR HERE

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Please send me the items marked (X) below.

☐ Corrections (if there are any) for this publication — **Truck Inventory and Use Survey, Michigan, TC82-T-23**

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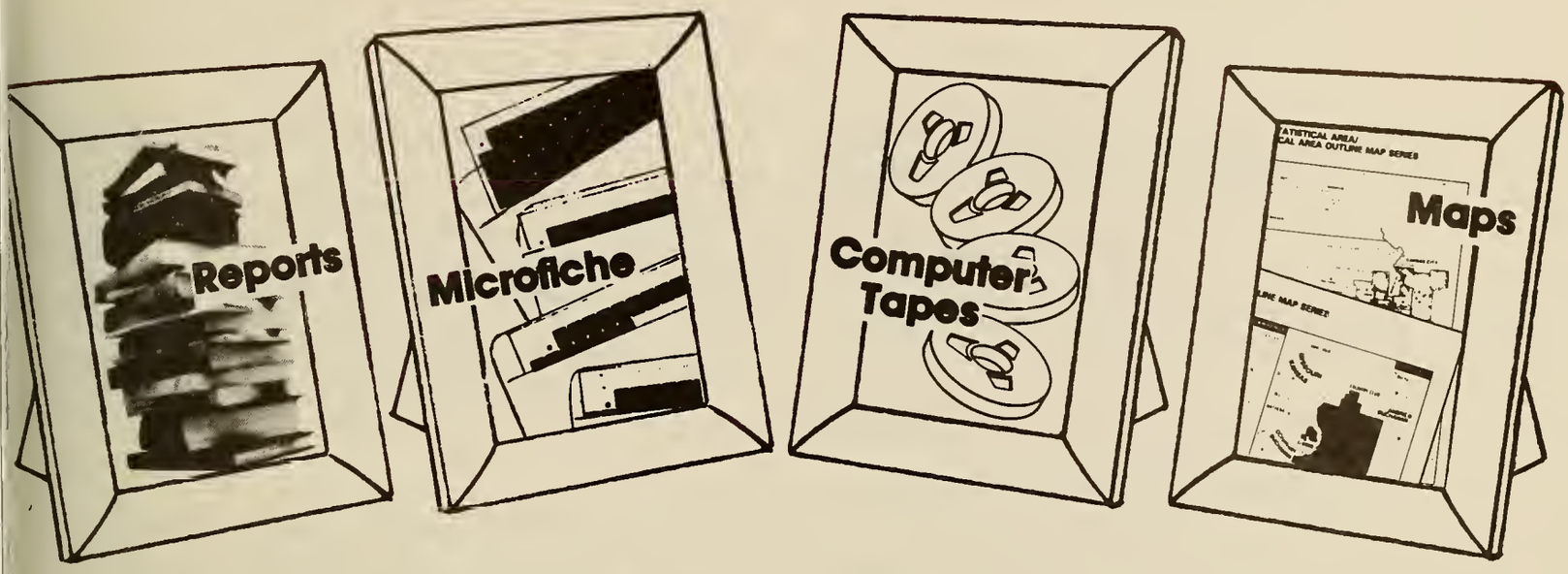

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PUBLICATION PROGRAM

1982 CENSUS OF TRANSPORTATION

Publications of the 1982 Census of Transportation containing data on the characteristics and use of trucks, the shipment of commodities by manufacturers, and financial and operating characteristics of selected transportation industries are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Final Reports

Truck Inventory and Use Survey—52 reports (TC82-T-1 to -52)

This series includes a U.S. summary and a separate report for each State and the District of Columbia. Data cover the characteristics and uses of the Nation's private and commercial truck resources, such as the number of vehicles, number of truck miles, major use of vehicle, annual miles, model year, body type, vehicle size class, type of fuel, classification of operator, engine size, and use of hazardous material.

Commodity Transportation Survey—1 report (TC82-CS-1)

Data for summary statistics on the volume and characteristics of shipments originated by manufactures, minerals, and wholesale (grain and petroleum bulk stations) industries in the 50 States and the District of Columbia.

Selected Statistics for Transportation Industries—1 report (TC82-ST-1)

The data for this program are published in one report. Establishment statistics are presented by State by kind of business on the number of establishments, first quarter and annual payroll, and number of employees for local and suburban transit and interurban highway passenger transportation, motor freight transportation, public warehousing, water transportation, transportation by air, pipeline (except natural gas), arrangement of passenger transportation and other transportation services. Also presented are data on revenue by source by type of activity for arrangement of passenger transportation, and revenue by source by kind of business for public warehousing, as well as national totals by kind of business by employment size of establishment.

Final Report Volumes

Data for the Truck Inventory and Use Survey only will be reissued in clothbound form.

Microfiche

All published data are also available on microfiche.

Computer Tapes

Most tapes from the census of transportation are different from the computer tapes for the other economic censuses in that they contain microdata rather than summary data. The term microdata refers to the unaggregated records for the individual responses. The records are modified to avoid the possibility of identifying individual households or establishments.

The tapes for the Truck Inventory and Use Survey contain microdata information for each truck in the sample.

No public-use tape is planned for the Selected Statistics for Transportation Industries Program.

OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, service industries, construction industries, manufactures, mineral industries, enterprise statistics, minority-owned businesses, and women-owned businesses also are issued as part of the 1982 Economic Censuses. A separate series of reports covers the censuses of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Northern Marianas. Separate announcements describing these reports are available free of charge from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

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